WEEKLY BULLETINS OF MASS. STATE BOARD OF HEALTH

1904

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Weekly Bulletin

OF THE

Mass.; STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Jan. 2, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 1.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

SAMUEL W ABBOTT, M.D., *Secretary.*

STATE LIBRARY OF MASSACHUSETTS

MORTALITY OF MASSACHUSETTS

For the Week ending Jan. 2, 1904.

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Deaths reported to the State Board of Health in 36 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

STATE HOUSE BOSTON

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	* Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from: Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Typhoid Fever.
Boston,	617,950	231	53	39	37	20	4	4	2
Worcester,	136,925	43	12	7	7	4	..	1	2
Fall River,	119,349	44	21	1	18	..	..	1	..
Lowell,	104,402	34	15	1	3	..	..	1	..
Cambridge,	100,998	29	7	6	7	3	1	..	1
Lynn,	73,875	21	5	..	1	..	..	..	..
Lawrence,	72,348	23	6	3	6	3	..	..	..
Springfield,	72,020	19	3	4	2	4	..	..	..
Somerville,	70,413	..	..	..	..	..	..	..	..
New Bedford,	68,863	23	8	3	4	1	1	..	..
Holyoke,	50,538	13	5	1	..	..	..	..	..
Brockton,	46,601	8	4	2	..	1	..	..	..
Newton,	39,310	9	0	2	1	1	..	..	1
Haverhill,	39,061	15	3	..	1	..	..	..	..
Malden,	37,205	7	2	1	1	1	..	..	..
Salem,	37,188	15	4	..	..	..	..	..	..
Chelsea,	36,499	4	1	..	..	..	..	..	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	16	2	1	3	1	..	..	..
Everett,	30,209	9	4	..	..	..	..	..	..
North Adams,	29,201	5	1	2	1	1	1	..	..
Quincy,	26,798	11	3	2	2	2	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	8	2	1	..	1	..	..	..
Brookline,	23,576	..	..	..	..	..	..	..	..
Pittsfield,	22,870	6	..	2	..	2	..	..	..
Medford,	21,956	10	4	..	4	..	..	..	..
Chicopee,	21,692	11	5	2	1	1	..	..	..
Northampton,	20,314	6	0	2	..	2	..	..	..
Beverly,	15,807	4	1	..	1	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	5	1	..	..	..	..	..	..
Adams,	14,745	2	0	1	..	..	..	..	1
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	7	1	..	2	..	..	..	..
Newburyport,	14,478	7	0	1	1	1	..	..	..
Woburn,	14,315	5	..	2	1	1	..	..	..
Melrose,	13,819	3	..	3	..	2	..	..	..
Westfield,	13,809	3	1	..	1	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	..	..	..	..	..	..	..	..
Revere,	13,609	3	1	..	..	..	..	..	..
Framingham,	12,974	4	1	..	3	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	..	..	..	..	..	..	..	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	3	1	..	..	..	..	..	..
Weymouth,	11,350	..	..	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Typhoid Fever.
Total of reporting towns,	2,041,871	666	177	89	108	52	7	7	7

Note.—* The population of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year

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1904

Deaths from Prevalent Diseases in 36 Cities and Larger Towns of Massachusetts.

Eighty-nine deaths were reported from the principal infectious diseases: measles, 1; cerebro-spinal meningitis, 3; diphtheria and croup, 7; whooping-cough, 3; typhoid fever, 7; diarrhœal diseases, 7; erysipelas, 3; puerperal fever, 2; scarlet fever, 4.

No deaths were reported from malarial fever, small-pox or influenza.

There were 52 deaths from consumption, acute lung diseases, 108, still-births, 44.

From measles: Boston, 1. From scarlet fever: Boston, 4. From cerebro-spinal meningitis: Boston, New Bedford and Brockton, 1 each. From diphtheria and croup: Boston, 4; Cambridge, New Bedford and North Adams, 1 each. From whooping-cough: Holyoke, Chicopee and Woburn, 1 each. From erysipelas: Boston, 2; Cambridge, 1.

Deaths under five years of age numbered 177, as compared with 158 for the preceding week.

Deaths from the principal infectious diseases numbered 89, as compared with 113 for the preceding week.

The death rates for the week were: Boston, 19.44; Worcester, 16.33; Fall River, 19.17; Lowell, 19.93; Cambridge, 14.93; Lynn, 14.78; Lawrence, 16.53; Springfield, 13.72; Somerville, ——; New Bedford, 17.36; Holyoke, 13.38; Brockton, 8.93; Newton, 11.91; Haverhill, 19.96; Malden, 9.78; Salem, 20.97; Chelsea, 5.70; Fitchburg, ——; Taunton, 24.06; Everett, 15.49; No. Adams, 8.90; Quincy, 21.34; Gloucester, ——; Waltham, 16.12; Brookline, ——; Pittsfield, 13.64; Medford, 23.68; Chicopee, 26.37; Northampton, 15.35; Beverly, 13.16; Leominster, ——; Clinton, 16.56; Adams, 7.13; Attleborough, ——; Hyde Park, 25.10; Newburyport, 25.14; Woburn, 18.16; Melrose, 11.29; Westfield, 11.30; Milford, ——; Marlborough, ——; Revere, 11.46; Framingham, 16.03; Peabody, ——; Gardner, ——; Southbridge, ——; Watertown, 13.47; Weymouth, ——; Plymouth, ——.

The total death rate for the week was 16.70, as compared with 16.25 and 14.47 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Jan. 2, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	136	Typhoid fever,	31
Diphtheria and croup,	178	Measles,	185
		Small-pox,	1

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Jan. 2, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, Dec. 27,	29.78	12	22	2	72	73	72	S. W.	S. W.	8	8	O.	O.		0.03
Monday, 28,	30.05	16	23	9	55	47	51	W.	W.	16	16	C.	C.		0.00
Tuesday, 29,	30.19	16	26	6	54	100	77	W.	N.	5	14	C.	N.		0.15
Wednesday, 30,	29.94	22	30	15	80	60	70	W.	W.	12	10	C.	C.		0.01
Thursday, 31,	29.98	20	26	15	73	58	66	W.	S. W.	8	13	C.	C.		T
Friday, Jan. 1,	29.90	25	35	15	61	67	64	S. W.	W.	10	10	C.	F.		00.0
Saturday, 2,	29.98	9	15	3	89	100	94	N. W.	N.	10	20	N.	N.		0.59
Week,	29.98		25	9			71								0.78

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

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MASSACHUSETTS

FOR THE

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MORTALITY OF MASSACHUSETTS

For the Week ending Jan. 9, 1904.

Deaths reported to the State Board of Health in 41 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Typhoid Fever.
Boston,	617,950	229	75	38	52	15	8	2	2
Worcester,	136,925	38	13	3	9	1	..	1	..
Fall River,	119,349	37	9	12	10	7	1	2	2
Lowell,	104,402	34	9	4	4	2	2	..	..
Cambridge,	100,998	34	9	6	4	2	3	..	..
Lynn,	73,875	23	3	2	..	..	2	..	..
Lawrence,	72,348	39	17	4	10	2	1	1	..
Springfield,	72,020	22	5	4	1	3	1	..	..
Somerville,	70,413	24	5	7	6	5	1	..	..
New Bedford,	68,863	44	13	2	5	2	..	..	..
Holyoke,	50,538	18	7	4	6	2	..	..	..
Brockton,	46,601	9	3	2	..	1	..	..	..
Newton,	39,310	11	2	4	4	2	..	..	2
Haverhill,	39,061	14	1	3	2	3	..	..	..
Malden,	37,205	6	..	1	..	1	..	..	..
Salem,	37,188	17	5	1	..	..	1	..	..
Chelsea,	36,499	12	2	2	..	2	..	..	..
Fitchburg,	36,335	14	6	1	2	1	..	..	..
Taunton,	34,577	13	2	3	1	3	..	..	..
Everett,	30,209	9	2	2	..	2	..	..	..
North Adams,	29,201	5	..	4	1	2	1	..	1
Quincy,	26,798	5	2	..	1	..	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	3	3	..	..	..	..	..	..
Brookline,	23,576	6	0	1	1	..	..	..	1
Pittsfield,	22,870	6	3	2	..	1	1	..	..
Medford,	21,956	3	1	..	1	..	..	..	..
Chicopee,	21,692	3	2	..	1	..	..	..	..
Northampton,	20,314	7	2	..	2	..	..	..	..
Beverly,	15,807	3	..	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	3	2	..	..	..	..	..	..
Adams,	14,745	1	0	1	..	..	..	..	1
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	3	..	2	1	2	..	..	..
Newburyport,	14,478	6	1	..	..	..	..	..	..
Woburn,	14,315	2	0	..	..	..	..	..	..
Melrose,	13,819	5	1	..	2	..	..	..	..
Westfield,	13,809	4	..	..	2	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	8	3	2	1	..	1	..	..
Revere,	13,609	..	..	..	..	..	..	..	..
Framingham,	12,974	3	1	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	5	..	1	1	..	..	..	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	3	..	..	..	..	..	..	..
Weymouth,	11,350	4	1	1	1	1	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Typhoid Fever.
Total of reporting towns,	2,195,869	735	110	119	131	62	23	6	9

Note.—*The population of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1905. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year

Deaths from Prevalent Diseases in 41 Cities and Larger Towns of Massachusetts.

One hundred and nineteen deaths were reported from the principal infectious diseases: measles, 2; cerebro-spinal meningitis, 6; diphtheria and croup, 23; whooping-cough, 1; typhoid fever, 9; diarrhœal diseases, 6; erysipelas, 2; scarlet fever, 8.

No deaths were reported from malarial fever, puerperal fever, small-pox or influenza.

There were 62 deaths from consumption, acute lung diseases, 131, still-hirths, 59.

From measles: Boston, 2. From scarlet fever: Boston, 6; Holyoke, 2. From cerebro-spinal meningitis: Boston, Cambridge, Somerville, Gardner, Brockton and Marlborough, 1 each. From diphtheria and croup: Boston, 8; Cambridge, 3; Lowell, 2; Lynn, 2; Fall River, Lawrence, Springfield, Somerville, Salem, North Adams, Pittsfield and Marlborough, 1 each. From whooping-cough: Boston, 1. From erysipelas: Boston and Worcester, 1 each.

Deaths under five years of age numbered 210, as compared with 172 for the preceding week.

Deaths from the principal infectious diseases numbered 119, as compared with 89 for the preceding week.

The death rates for the week were: Boston, 19.27; Worcester, 14.43; Fall River, 16.12; Lowell, 16.93; Cambridge, 17.50; Lynn, 16.19; Lawrence, 27.82; Springfield, 15.88; Somerville, ——; New Bedford, 33.22; Holyoke, 18.52; Brockton, 10.76; Newton, 14.55; Haverhill, 18.63; Malden, 8.36; Salem, 23.76; Chelsea, 17.10; Fitchhurg, 20.03; Taunton, 19.55; Everett, 15.49; No. Adams, 8.90; Quincy, 9.70; Gloucester, ——; Waltham, 6.04; Brookline, 13.23; Pittsfield, 13.64; Medford, 7.10; Chicopee, 7.19; Northampton, 17.91; Beverly, 9.87; Leominster, ——; Clinton, 9.94; Adams, 3.57; Attleborough, ——; Hyde Park, 10.76; Newhuryport, 21.55; Wohurn, 7.26; Melrose, 18.81; Westfield, 15.06; Milford, ——; Marlborough, 30.57; Revere, ——; Framingham, 12.02; Peahody, ——; Gardner, 21.09; Southhridge, ——; Watertown, 13.47; Weymouth, 18.32; Plymouth, ——.

The total death rate for the week was 17.40, as compared with 16.70 and 16.25 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Jan. 9, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	113	Typhoid fever,	38
Diphtheria and croup,	203	Measles,	302
Small-pox,	1		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Jan. 9, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 3,	29.96	3	7	*—1	94	64	79	N.	W.	24	8	N.	C.		0.30
Monday, 4,	30.36	0	3	—3	63	73	68	N. W.	W.	20	13	C.	C.		0.00
Tuesday, 5,	30.52	6	16	—3	79	58	68	W.	N. W.	9	6	C.	C.		0.00
Wednesday, 6,	30.34	16	28	3	62	54	58	S. W.	S. W.	12	12	C.	O.		0.00
Thursday, 7,	29.98	26	32	21	78	65	72	S. W.	N. E.	8	4	O.	C.		T
Friday, 8,	29.73	25	33	17	85	100	92	N.	N.	4	9	O.	N.		0.13
Saturday, 9,	29.34	30	33	27	100	84	92	N.	N. W.	10	15	N.	O.		0.68
Week,	30.03		22	9			76								1.11

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

* —, Below Zero.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of December, 1903: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	226	131	357	Canned Goods,	6	..	6
Butter,	45	2	47	Honey,	3	..	3
Cheese,	16	1	17	Tea,	9	..	9
Lard,	2	..	2	Coffee,	17	..	17
Olive Oil,	..	..	..	Cocoa and Chocolate,	3	2	5
Vinegar,	1	..	1	Condensed Milk,	7	2	9
Spices,	133	13	146	Lemon Extract,	..	1	1
Cream of Tartar,	23	1	24	Vanilla Extract,	1	..	1
Molasses,	1	..	1	Miscellaneous,	11	13	24
Syrups,	..	..	..	Drugs,	48	28	76
Maple Sugar,	..	..	..				
Maple Syrup,	3	..	3				
				Totals,	555	194	749

Percentage of adulteration, 25.9. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 36.8 per cent., while the percentage of articles of food was 11.1 per cent.

Six complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs.

The samples of drugs found to be adulterated were Aqua Destillata, Chloroformum, Glycerinum, Oleum Limonis, Phenacetin, Sodii Boras, Spiritus Camphoræ and Tinctura Iodi.

Cities and towns from which samples of food were collected were Boston, Chelsea, Cambridge, Arlington, Brookline, Fitchburg, Attleborough, Gloucester, Malden, Andover, Dedham, Taunton, Holyoke, Springfield, Quincy, Fall River, Brockton, Salem, Newton, Natick, Weymouth, Watertown, Milton, Rockland and Abington.

RECORD OF PROSECUTIONS IN DECEMBER, 1903.

No.	Date of Trial.	Name of Defendant.	Place.	Character of Articles Sold.	Result of Trial.
1	December 1,	Leslie M. Frye,	Boston,	Phenacetine,	Conviction.
2	December 1,	Stanley Donaho,	Boston,	Phenacetine,	Defaulted.
3	December 9,	Thomas Kerr,	Gloucester,	Milk,	Discharged.
4	December 16,	Chas. W. Turner,	Whitman,	Milk,	Conviction.
5	December 18,	Ira P. Jefts,	Boston,	Tinct. of Iodine,	Nol Prossed.
6	December 21,	Geo. M. Chamberlain,	Dedham,	Milk,	Conviction.

The total solids in samples of milk, upon which the foregoing cases were entered, were 8.34, 9.25 and 10.14.

Total amount of fines, $258.00.

Commonwealth of Massachusetts.—State Board of Health.

Publication of Results of Analyses of Certain Articles of Food, required by Chapter 272, of the Acts of 1902, for the Month of December, 1903.

Number of Sample.	Date of Collection.	City or Town where Purchased.	Character of Sample.	Brand or Name of Manufacturer, Wholesaler or Producer.	Results of Analyses.
49142	Deeember 15.	Boston.	Cheese.	Worcester County Neufehatel, M. R. B.	Skimmed milk cheese.
1221 M	Deeember 4.	Cambridge.	Evaporated Cream.	"Top Noteh Evaporated Cream."	Fat in original milk 2.84%. Not made from eream.
49156	Deeember 19.	Boston.	Evaporated Cream.	"St. Charles Evaporated Cream."	Fat in original milk 2.82%. Not made from eream
49237	January 1.	Boston.	Evaporated Cream.	"Pet Evaporated Cream."	Fat in original milk 4.16% Not made from eream.
1061 M	November 24.	Cambridge.	Strawberry Jam.	P. J. Ritter Conserve Co., Philadelphia, Pa, "We guarantee the original eontents of this bottle to be a pure and wholesome artiele of food."	Preserved with benzoie aeid.
1059 M	November 24.	Cambridge.	Raspberry Jam.	Curtiee Bros, Roehester, N. Y.	Preserved with benzoic aeid. Amount of preservative not stated on formula.
49191	Deeember 26.	Boston.	Ketchup.	Heintz Catsup. H. J. Heintz, Pittsburg, Pa.	Preserved with benzoic aeid.
49192	Deeember 26.	Boston.	Jelly, "Currant Flavor."	P. J. Ritter Conserve Co., Philadelphia, Pa.	Colored with eoal tar dye. No formula.
49189	Deeember 26.	Boston.	Raspberry Jam.	"Chapin's Delight," Herbert Chapin & Co.	Colored with eoal tar dye. Not in formula
1425 M	Deeember 17.	Boston.	Raspberry Jam.	R. C. Williams & Co., New York.	Colored with eoal tar dye. No formula.
1427 M	Deeember 17.	Boston.	Strawberry Jam		
1429 M	Deeember 17.	Boston.	Rasp. & C'r'nt. "		
1483 M	Deeember 19.	So. Boston.	Coeoa.	"Aeme Luneh Coeoa," Brewster Coeoa Mfg. Co., Jersey City, N. J.	Large admixture of sugar and wheat.
1373 M	Deeember 12.	Boston.	Mustard.	Fiseher's "Double Superfine," B. F. Fischer & Co., New York.	Large admixture of turmeric.
5634 K	Deeember 10.	Malden.	Mustard.	"Victor," Saville, Somes & Co., Boston.	Admixture of foreign stareh containing seed.
49100	December 1.	Boston.	"Pure Vegetable Gluten,"	Theo. Metealf Co., Boston.	Contains 63 per eent. stareh, 10.9% protein. Virtually whole wheat flour.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Jan. 16, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 3.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

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Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Jan. 16, 1904.

Deaths reported to the State Board of Health in 39 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	* Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Typhoid Fever.
Boston,	617,950	236	76	51	53	30	9	..	1
Worcester,	136,925	30	8	4	4	3	..	1	..
Fall River,	119,349	39	16	6	14	2	..	4	..
Lowell,	104,402	32	8	5	7	2	..	1	1
Cambridge,	100,998	28	13	4	6	1	1	1	1
Lynn,	73,875	25	7	3	2	2	..	..	1
Lawrence,	72,348	18	10	4	7	2	1	..	..
Springfield,	72,020	35	6	4	5	1	3	..	..
Somerville,	70,413	21	5	5	3	5	..	..	..
New Bedford,	68,863	22	13	5	7	3	1	1	..
Holyoke,	50,538	14	8	4	5	2	..	..	1
Brockton,	46,601	8	2	..	..	..	..	..	..
Newton,	39,310	9	3	2	1	..	..	1	..
Haverhill,	39,061	13	4	3	..	3	..	..	..
Malden,	37,205	5	1	..	1	..	..	..	..
Salem,	37,188	13	2	1	..	1	..	..	..
Chelsea,	36,499	13	3	2	3	2	..	..	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	14	4	1	4	1	..	..	..
Everett,	30,209	6	..	2	..	2	1	..	..
North Adams,	29,201	6	4	1	2	..	..	..	..
Quincy,	26,798	10	3	1	2	..	1	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	10	3	2	2	2	..	..	..
Brookline,	23,576	7	1	1	1	1	..	..	..
Pittsfield,	22,870	13	5	2	1	1	..	..	1
Medford,	21,956	3	1	2	..	1	..	..	..
Chicopee,	21,692	10	5	2	2	1	..	1	..
Northampton,	20,314	8	0	..	..	..	..	..	..
Beverly,	15,807	8	1	2	1	2	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	6	1	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	5	2	2	..	1	..	1	..
Newburyport,	14,478	10	2	2	1	1	..	..	..
Woburn,	14,315	3	1	..	..	..	..	..	..
Melrose,	13,819	..	..	..	..	..	..	..	..
Westfield,	13,809	3	..	1	..	1	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	4	1	1	1	..	1	..	..
Revere,	13,609	2	2	..	..	..	..	..	..
Framingham,	12,974	2	1	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	5	4	2	2	1	..	..	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	2	1	..	..	..	..	..	..
Weymouth,	11,350	2	0	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Typhoid Fever.
Total of reporting towns,	2,144,579	700	227	127	134	74	17	11	6

Note.—* The population of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year

Deaths from Prevalent Diseases in 39 Cities and Larger Towns of Massachusetts.

One hundred and twenty-seven deaths were reported from the principal infectious diseases: measles, 4; cerebro-spinal meningitis, 3; diphtheria and croup, 17; whooping-cough, 3; typhoid fever, 6; diarrhœal diseases, 11; erysipelas, 3; scarlet fever, 6.

No deaths were reported from malarial fever, puerperal fever, small-pox or influenza.

There were 74 deaths from consumption, acute lung diseases, 134, still-births, 54.

From measles: Boston, 4. From cerebro-spinal meningitis: Holyoke, Newton and Medford, 1 each. From diphtheria and croup: Boston, 9; Springfield, 3; Cambridge, Lawrence, New Bedford, Quincy and Marlborough, 1 each. From erysipelas: Boston, 3.

Deaths under five years of age numbered 227, as compared with 210 for the preceding week.

Deaths from the principal infectious diseases numbered 127, as compared with 119 for the preceding week.

The death rates for the week were: Boston, 19.85; Worcester, 11.39; Fall River, 16.99; Lowell, 15.94; Cambridge, 14.41; Lynn, 17.60; Lawrence, 12.93; Springfield, 25.27; Somerville, 15.51; New Bedford, 16.61; Holyoke, 14.40; Brockton, 8.93; Newton, 11.91; Haverhill, 17.30; Malden, 6.98; Salem, 18.17; Chelsea, 18.52; Fitchburg, ——; Taunton, 21.05; Everett, 10.32; No. Adams, 10.68; Quincy, 19.40; Gloucester, ——; Waltham, 20.15; Brookline, 15.43; Pittsfield, 29.56; Medford, 7.10; Chicopee, 23.97; Northampton, 20.47; Beverly, 26.32; Leominster, ——; Clinton, 19.88; Adams, ——; Attleborough, ——; Hyde Park, 17.93; Newburyport, 35.92; Woburn, 10.89; Melrose, ——; Westfield, 11.29; Milford, ——; Marlborough, 9.55; Revere, 7.64; Framingham, 8.00; Peabody, ——; Gardner, 21.09; Southbridge, ——; Watertown, 8.98; Weymouth, 9.16; Plymouth, ——.

The total death rate for the week was 16.97, as compared with 17.40 and 16.70 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Jan. 16, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	135	Typhoid fever,	30
Diphtheria and croup,	169	Measles,	263
Small-pox,	1		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Jan. 16, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 10,	29.70	28	33	22	82	81	82	W.	W.	10	12	C.	C.		0.00
Monday, 11,	30.04	25	32	18	77	85	81	N. W.	N. E.	8	12	C.	O.		0.00
Tuesday, 12,	30.19	28	32	24	87	94	90	N.	N.	20	6	O.	N.		0.02
Wednesday, 13,	29.82	36	46	27	89	100	94	N. E.	S. E.	6	14	O.	R.		0.99
Thursday, 14,	29.49	37	42	32	86	65	76	S. W.	S. W.	12	16	O.	O.		0.17
Friday, 15,	29.86	26	32	20	70	56	63	W.	W.	15	10	C.	C.		0.00
Saturday, 16,	29.35	27	38	16	77	87	82	S.	S. W.	5	12	F.	O.		0.10
Week,	29.78		36	23			81								1.28

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Jan. 23, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 4.

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Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Jan. 23, 1904.

Deaths reported to the State Board of Health in 40 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Typhoid Fever.
Boston,	617,950	222	50	47	52	29	4	3	2
Worcester,	136,925	32	11	5	6	3	..	1	..
Fall River,	119,349	38	14	6	10	4	1	1	..
Lowell,	104,402	24	4	5	3	3	1	..	..
Cambridge,	100,998	35	7	8	5	6	2	..	..
Lynn,	73,875	26	7	2	..	1	1	..	..
Lawrence,	72,348	23	6	8	4	4	..	2	1
Springfield,	72,020	25	7	2	8	1	1	..	..
Somerville,	70,413	12	1	2	2	1	..	..	..
New Bedford,	68,863	24	5	4	6	4	..	..	..
Holyoke,	50,538	18	4	1	2	1	..	..	..
Brockton,	46,601	8	0	..	..	..	..	..	..
Newton,	39,310	11	2	2	2	2	..	..	..
Haverhill,	39,061	15	4	..	4	..	..	..	..
Malden,	37,205	13	4	3	3	2	1	..	..
Salem,	37,188	9	2	3	..	3	..	..	..
Chelsea,	36,499	10	3	..	2	..	..	..	..
Fitchburg,	36,335	11	4	1	2	1	..	..	..
Taunton,	34,577	20	3	1	10	1	..	..	..
Everett,	30,209	4	1	..	..	..	..	..	..
North Adams,	29,201	7	1	1	2	..	..	..	1
Quincy,	26,798	6	2	2	1	..	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	12	3	3	1	3	..	..	..
Brookline,	23,576	5	..	..	1	..	..	..	..
Pittsfield,	22,870	6	..	2	..	2	..	..	..
Medford,	21,956	4	2	1	..	1	..	..	..
Chicopee,	21,692	11	8	2	2	2	..	..	..
Northampton,	20,314	5	1	..	2	..	..	..	..
Beverly,	15,807	5	..	1	1	1	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	5	0	..	..	..	..	..	..
Adams,	14,745	3	2	3	..	1	..	1	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	7	2	1	..	1	..	..	..
Newburyport,	14,478	2	0	..	..	..	..	..	..
Woburn,	14,315	..	..	..	..	..	..	..	..
Melrose,	13,819	0	..	..	..	..	..	..	..
Westfield,	13,809	3	..	..	1	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	5	1	1	1	..	1	..	..
Revere,	13,609	3	..	1	1	1	..	..	..
Framingham,	12,974	3	..	1	1	1	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	..	..	..	..	..	..	..	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	3	0	..	..	..	..	..	..
Weymouth,	11,350	1	0	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Typhoid Fever.
Total of reporting towns,	2,182,839	676	161	119	135	79	12	8	4

Note.—*The population of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1905. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1895, they having suffered a slight decrease during the five year

Deaths from Prevalent Diseases in 40 Cities and Larger Towns of Massachusetts.

One hundred and nineteen deaths were reported from the principal infectious diseases: measles, 3; cerebro-spinal meningitis, 2; diphtheria and croup, 12; whooping-cough, 1; typhoid fever, 12; diarrhœal diseases, 8; erysipelas, 4; puerperal fever, 2; scarlet fever, 4.

No deaths were reported from malarial fever, small-pox or influenza.

There were 79 deaths from consumption, acute lung diseases, 135, still-births, 53.

From measles: Boston, 3. From scarlet fever: Boston, 2; Lowell, 1; Lawrence, 1. From cerebro-spinal meningitis: Somerville and Adams, 1 each. From diphtheria and croup: Boston, 4; Cambridge, 2; Fall River, Lowell, Lynn, Springfield, Marlborough and Malden, 1 each. From whooping-cough: Quincy, 1. From erysipelas: Boston, 2; Worcester and Quincy, 1 each.

Deaths under five years of age numbered 161, as compared with 227 for the preceding week.

Deaths from the principal infectious diseases numbered 119, as compared with 127 for the preceding week.

The death rates for the week were: Boston, 18.68; Worcester, 12.15; Fall River, 16.55; Lowell, 19.15; Cambridge, 18.02; Lynn, 18.30; Lawrence, 16.53; Springfield, 18.05; Somerville, 8.86; New Bedford, 18.12; Holyoke, 18.52; Brockton, 8.93; Newton, 14.55; Haverhill, 19.96; Malden, 18.16; Salem, 12.58; Chelsea, 14.25; Fitchburg, 15.74; Taunton, 30.08; Everett, 6.88; No. Adams, 12.47; Quincy, 11.64; Gloucester, ——; Waltham, 24.18; Brookline, 12.12; Pittsfield, 13.64; Medford, 9.47; Chicopee, 26.36; Northampton, 12.79; Beverly, 16.45; Leominster, ——; Clinton, 16.56; Adams, 10.70; Attleborough, ——; Hyde Park, 25.10; Newburyport, 7.18; Woburn, ——; Melrose, ——; Westfield, 11.29; Milford, ——; Marlborough, 19.10; Revere, 11.46; Framingham, 12.02; Peabody, ——; Gardner, ——; Southbridge, ——; Watertown, 13.47; Weymouth, 4.58; Plymouth, ——.

The total death rate for the week was 16.10, as compared with 16.97 and 17.40 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Jan. 23, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	152	Typhoid fever,	26
Diphtheria and croup,	185	Measles,	258
Small-pox,	2		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Jan. 23, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 17,	29.92	22	36	9	76	68	72	N. W.	N. W.	16	20	F.	C.		T
Monday, 18,	30.50	6	14	—1	74	73	74	N. W.	N. W.	14	18	C.	C.		0.00
Tuesday, 19,	30.80	2	11	—6	84	53	64	N.	N.	10	5	C.	C.		0.00
Wednesday, 20,	30.30	18	28	8	93	76	84	S.	W.	11	8	N.	O.		0.06
Thursday, 21,	30.16	30	32	27	73	100	86	N. W.	N. E.	7	20	O.	N.		0.18
Friday, 22,	30.03	27	35	19	94	92	93	E.	N. E.	20	11	N.	R.		0.62
Saturday, 23,	29.86	30	42	19	100	95	98	E.	N. W.	2	5	G.	O.		0.12
Week,	30.22		28	82			00								0.98

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.
— Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Jan. 30, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 5.

Entered at the post-office at Boston as second-class matter.

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Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

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MORTALITY OF MASSACHUSETTS

For the Week ending Jan. 30, 1904.

Deaths reported to the State Board of Health in 40 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	* POPULATION. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	DEATHS FROM					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Typhoid Fever.
Boston,	617,950	226	65	52	44	33	3	3	3
Worcester,	136,925	33	9	9	4	3	1	1	..
Fall River,	119,349	45	23	5	12	3	..	2	..
Lowell,	104,402	31	..	5	6	2	1	1	..
Cambridge,	100,998	33	11	2	6	2	..	..	..
Lynn,	73,875	11	4	3	..	3	..	..	..
Lawrence,	72,348	20	3	2	4	1	..	1	..
Springfield,	72,020	21	1	2	2	..	2	..	..
Somerville,	70,413	21	10	3	4	..	2	..	1
New Bedford,	68,863	22	9	6	4	4	..	2	..
Holyoke,	50,538	15	5	1	3	..	..	..	1
Brockton,	46,601	8	0	1	..	1	..	..	..
Newton,	39,310	11	2	..	2	..	..	..	..
Haverhill,	39,061	10	1	1	..	1	..	..	..
Malden,	37,205	11	3	..	2	..	..	..	..
Salem,	37,188	21	6	1	3	..	1	..	..
Chelsea,	36,499	17	4	..	5	..	..	..	..
Fitchburg,	36,335	6	1	..	1	..	..	..	..
Taunton,	34,577	12	5	2	1	1	..	..	..
Everett,	30,209	6	2	..	..	..	..	..	..
North Adams,	29,201	5	1	..	..	..	..	..	..
Quincy,	26,798	8	..	1	2	..	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	4	1	1	1	1	..	..	..
Brookline,	23,576	5	..	1	1	1	..	..	..
Pittsfield,	22,870	..	..	..	..	..	..	..	..
Medford,	21,956	7	2	1	..	1	..	..	..
Chicopee,	21,692	7	3	..	1	..	..	..	..
Northampton,	20,314	7	2	..	..	..	..	..	..
Beverly,	15,807	6	..	1	..	1	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	1	1	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	5	2	1	2	1	..	..	..
Newburyport,	14,478	4	0	1	..	..	..	..	..
Woburn,	14,315	3	..	..	1	..	..	..	..
Melrose,	13,819	1	0	1	..	1	..	..	..
Westfield,	13,809	2	1	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	3	2	1	..	..	..	..	..
Revere,	13,609	2	..	..	1	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	2	..	..	..	..	..	..	..
Gardner,	12,324	1	..	..	..	..	..	..	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	2	0	..	..	..	..	..	..
Weymouth,	11,350	2	..	1	..	1	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Typhoid Fever.
Total of reporting towns,	2,171,295	657	179	105	112	61	10	10	5

NOTE.—* The population of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 40 Cities and Larger Towns of Massachusetts.

One hundred and five deaths were reported from the principal infectious diseases: measles, 2; scarlet fever, 4; cerebro-spinal meningitis, 6; diphtheria and croup, 10; whooping-cough, 2; typhoid fever, 5; diarrhœal diseases, 10; erysipelas, 4.

No deaths were reported from malarial fever, puerperal fever, small-pox or influenza.

There were 61 deaths from consumption, acute lung diseases, 112, still-births, 44.

From measles: Boston, 1; Quincy, 1. From cerebro-spinal meningitis: Boston, 2; Worcester, 4. From diphtheria and croup: Boston, 3; Springfield, 2; Somerville, 2; Worcester, Lowell and Salem, 1 each. From erysipelas: Boston, 2; Taunton, 1; Marlborough, 1. From typhoid fever: Boston, 3; Somerville and Holyoke, 1 each. From whooping-cough: Boston, 2.

Deaths under five years of age numbered 179, as compared with 161 for the preceding week.

Deaths from the principal infectious diseases numbered 105, as compared with 119 for the preceding week.

The death rates for the week were: Boston, 19.02; Worcester, 12.53; Fall River, 19.60; Lowell, 15.44; Cambridge, 16.99; Lynn, 7.74; Lawrence, 14.37; Springfield, 15.16; Somerville, 15.51; New Bedford, 16.61; Holyoke, 15.43; Brockton, 8.93; Newton, 14.55; Haverhill, 13.31; Malden, 15.37; Salem, 29.36; Chelsea, 24.22; Fitchburg, 8.58; Taunton, 18.04; Everett, 10.32; No. Adams, 8.90; Quincy, 15.52; Gloucester, ——; Waltham, 8.06; Brookline, 11.02; Pittsfield, ——; Medford, 16.57; Chicopee, 16.78; Northampton, 17.91; Beverly, 19.74; Leominster, ——; Clinton, 3.31; Adams, ——; Attleborough, ——; Hyde Park, 17.93; Newburyport, 14.37; Woburn, 10.90; Melrose, 3.76; Westfield, 7.53; Milford, ——; Marlborough, 11.46; Revere, 7.64; Framingham, ——; Peabody, 8.38; Gardner, 4.22; Southbridge, ——; Watertown, 8.98; Weymouth, 9.16; Plymouth, ——.

The total death rate for the week was 15.73, as compared with 16.10 and 16.97 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Jan. 30, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	116	Typhoid fever,	37
Diphtheria and croup,	128	Measles,	380
Small-pox,	1		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Jan. 30, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 24,	29.94	32	41	24	87	54	70	N. W.	W.	4	12	F.	C.		0.00
Monday, 25,	30.39	18	24	12	52	48	50	S. W.	W.	14	10	C.	C.		0.00
Tuesday, 26,	30.19	24	36	13	33	100	68	N.	E.	6	24	F.	N.		0.26
Wednesday, 27,	30.12	20	28	12	57	52	54	W.	W.	18	12	C.	C.		0.47
Thursday, 28,	30.54	15	23	7	67	58	62	W.	S. W.	7	6	C.	O.		0.00
Friday, 29,	30.20	20	24	17	97	93	95	N.	N.	14	18	N.	N.		0.06
Saturday, 30,	30.18	22	28	16	79	87	83	N.	S.	10	10	C.	C.		0.05
Week,	30.22		29	14			69								0.84

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Feb. 6, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 6.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned hy the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Feb. 6, 1904.

Deaths reported to the State Board of Health in 41 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Scarlet Fever.
Boston,	617,950	197	47	33	38	20	3	2	1
Worcester,	136,925	31	11	2	5	2	..	..	..
Fall River,	119,349	47	17	10	8	6	1	1	1
Lowell,	104,402	26	8	2	6	2	..	..	..
Cambridge,	100,998	38	6	10	5	9	..	..	1
Lynn,	73,875	20	3	2	..	1	..	..	..
Lawrence,	72,348	..	..	..	..	..	..	..	..
Springfield,	72,020	8	..	2	..	1	..	..	..
Somerville,	70,413	28	9	5	4	3	1	..	1
New Bedford,	68,863	22	2	5	3	5	..	..	..
Holyoke,	50,538	10	4	4	1	4	..	..	..
Brockton,	46,601	13	3	2	..	1	..	..	..
Newton,	39,310	10	3	..	1	..	..	..	..
Haverhill,	39,061	11	4	..	1	..	..	..	..
Malden,	37,205	14	1	2	5	2	..	..	..
Salem,	37,138	8	2	1	2	1	..	..	..
Chelsea,	36,499	13	4	1	..	1	..	..	..
Fitchburg,	36,335	7	2	1	2	1	..	..	..
Taunton,	34,577	10	3	..	3	..	..	..	..
Everett,	30,209	4	2	2	..	1	..	..	1
North Adams,	29,201	12	3	5	2	3	1	..	1
Quincy,	26,798	1	1	..	..	..	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	3	..	..	1	..	..	..	..
Brookline,	23,576	5	..	..	2	..	..	..	..
Pittsfield,	22,870	2	0	2	..	..	..	..	..
Medford,	21,956	5	..	..	1	..	..	..	..
Chicopee,	21,692	7	2	..	1	..	..	..	..
Northampton,	20,314	2	2	..	..	..	..	..	..
Beverly,	15,807	8	1	1	1	..	1	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	2	..	..	1	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	6	3	..	5	..	..	..	..
Newburyport,	14,478	4	0	..	2	..	..	..	..
Woburn,	14,315	3	..	..	..	..	..	..	..
Melrose,	13,819	5	..	..	1	..	..	..	..
Westfield,	13,809	6	1	..	2	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	5	0	..	1	..	..	..	..
Revere,	13,609	3	..	1	..	..	1	..	..
Framingham,	12,974	4	..	1	1	1	..	..	..
Peabody,	12,406	2	..	..	..	..	..	..	..
Gardner,	12,324	5	2	1	..	..	..	..	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	3	1	..	..	..	..	..	..
Weymouth,	11,350	5	2	..	1	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Cronp.	Diarrhœal Diseases.	Scarlet Fever.
Total of reporting towns,	2,134,791	615	149	95	106	64	8	3	6

Note.—*The population of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 41 Cities and Larger Towns of Massachusetts.

Ninety-five deaths were reported from the principal infectious diseases: measles, 2; scarlet fever, 6; cerebro-spinal meningitis, 5; diphtheria and croup, 8; whooping-cough, 1; typhoid fever, 1; diarrhœal diseases, 3; erysipelas, 4; puerperal fever, 1.

No deaths were reported from malarial fever, small-pox or influenza.

There were 64 deaths from consumption, acute lung diseases, 106, still-births, 49.

From measles: Boston, 2. From scarlet fever: Boston, Fall River, Cambridge, Somerville, Everett and North Adams, 1 each. From cerebro-spinal meningitis: Boston, Fall River, Lynn, Brockton and Gardner, 1 each. From diphtheria and croup: Boston, 3; Fall River, Somerville, North Adams, Beverly and Revere, 1 each. From whooping-cough: Boston, 1. From erysipelas: Boston, 2; Springfield and Pittsfield, 1 each. From typhoid fever: Boston, 1.

Deaths under five years of age numbered 149, as compared with 179 for the preceding week.

Deaths from the principal infectious diseases numbered 95, as compared with 105 for the preceding week.

The death rates for the week were: Boston, 16.58; Worcester, 11.77; Fall River, 20.48; Lowell, 12.95; Cambridge, 19.56; Lynn, 14.08; Lawrence, ——; Springfield, 5.77; Somerville, 20.68; New Bedford, 16.61; Holyoke, 10.29; Brockton, 14.50; Newton, 13.23; Haverhill, 14.64; Malden, 19.55; Salem, 11.18; Chelsea, 18.52; Fitchburg, 10.02; Taunton, 15.04; Everett, 6.88; No. Adams, 21.37; Quincy, 1.44; Gloucester, ——; Waltham, 6.04; Brookline, 11.02; Pittsfield, 4.54; Medford, 11.84; Chicopee, 16.78; Northampton, 5.12; Beverly, 26.32; Leominster, ——; Clinton, 6.62; Adams, ——; Attleborough, ——; Hyde Park, 21.42; Newburyport, 14.37; Woburn, 10.90; Melrose, 18.81; Westfield, 22.59; Milford, ——; Marlborough, 19.10; Revere, 11.46; Framingham, 16.00; Peabody, 8.38; Gardner, 21.09; Southbridge, ——; Watertown, 13.47; Weymouth, 22.90; Plymouth, ——.

The total death rate for the week was 14.97, as compared with 15.73 and 16.10 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Feb. 6, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	148	Typhoid fever,	20
Diphtheria and croup,	136	Measles,	337
Small-pox,	4		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Feb. 6, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, Jan. 31,	30.04	31	39	23	76	86	81	S. W.	S.	10	9	C.	O.		0.00
Monday, Feb. 1,	29.43	24	39	10	98	51	74	E.	N. W.	2	26	G.	O.		0.03
Tuesday, 2,	30.04	20	34	6	50	71	62	W.	S.	8	6	C.	O.		0.00
Wednesday, 3,	30.06	26	35	17	52	41	46	W.	S. W.	18	7	C.	C.		0.02
Thursday, 4,	30.22	16	21	11	69	37	53	W.	W.	12	19	C.	C.		0.00
Friday, 5,	30.19	18	25	11	54	70	62	S. W.	W.	14	5	O.	C.		0.00
Saturday, 6,	29.94	22	29	15	94	77	86	S. E.	N.	8	5	N.	O.		0.33
Week,	29.99		32	13			66								0.38

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Feb. 13, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 7.

Entered at the post-office at Boston as second-class matter.

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It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
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CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Feb. 13, 1904.

Deaths reported to the State Board of Health in 39 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Typhoid Fever.
Boston,	617,950	201	48	36	41	20	4	3	1
Worcester,	136,925	41	13	5	5	3	1	..	1
Fall River,	119,349	46	18	10	13	3	3	4	..
Lowell,	104,402	33	15	2	14	..	1	..	1
Cambridge,	100,998	22	5	1	4	1	..	..	..
Lynn,	73,875	25	7	1	..	1	..	..	..
Lawrence,	72,348	19	2	6	6	2	1	1	1
Springfield,	72,020	14	2	3	3	3	..	..	..
Somerville,	70,413	32	11	4	3	3	1	..	..
New Bedford,	68,863	24	6	3	4	3	..	..	..
Holyoke,	50,538	13	3	1	1	1	..	..	..
Brockton,	46,601	9	1	1	..	..	..	..	1
Newton,	39,310	4	..	2	1	2	..	..	..
Haverhill,	39,061	8	3	1	2	1	..	..	..
Malden,	37,205	8	1	2	1	1	..	..	..
Salem,	37,188	8	3	1	2	1	..	..	..
Chelsea,	36,499	9	3	..	..	..	..	..	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	10	..	2	2	2	..	..	..
Everett,	30,209	6	2	1	..	1	..	..	..
North Adams,	29,201	9	0	2	1	..	1	..	..
Quincy,	26,798	5	1	2	1	2	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	3	1	1	1	1	..	..	..
Brookline,	23,576	6	..	..	2	..	..	..	..
Pittsfield,	22,870	15	1	2	7	..	..	..	1
Medford,	21,956	7	4	1	1	1	..	..	..
Chicopee,	21,692	4	1	1	1	..	1	..	..
Northampton,	20,314	7	1	..	..	..	..	..	..
Beverly,	15,807	5	2	..	2	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	5	3	..	..	..	..	..	..
Adams,	14,745	1	0	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	4	..	..	1	..	..	..	..
Newburyport,	14,478	4	1	2	..	2	..	..	..
Woburn,	14,315	4	1	1	..	..	..	..	..
Melrose,	13,819	7	..	1	3	1	..	..	..
Westfield,	13,809	4	1	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	7	2	2	1	..	..	..	..
Revere,	13,609	4	1	1	..	1	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	..	..	..	..	..	..	..	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	2	..	1	..	1	..	..	..
Weymouth,	11,350	4	0	..	1	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Typhoid Fever.
Total of reporting towns,	2,147,845	639	163	99	124	57	13	8	6

Note.—*The population of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 39 Cities and Larger Towns of Massachusetts.

Ninety-nine deaths were reported from the principal infectious diseases: measles, 1; scarlet fever, 3; cerebro-spinal meningitis, 5; diphtheria and croup, 13; typhoid fever, 6; diarrhœal diseases, 8; erysipelas, 3; puerperal fever, 1; influenza, 2.

No deaths were reported from malarial fever, whooping-cough, or small-pox.

There were 57 deaths from consumption, acute lung diseases, 124, still-births, 48.

From measles: Boston, 1. From cerebro-spinal meningitis: Boston, 3; Malden, 1; Marlborough, 1. From scarlet fever: Boston, Lawrence and North Adams, 1 each. From diphtheria and croup: Boston, 4; Worcester, 1; Fall River, 3; and Lowell, Lawrence, Somerville, North Adams and Chicopee, 1 each. From erysipelas: Boston, 2; Pittsfield, 1. From typhoid fever: Boston, Worcester, Lowell, Lawrence, Brocktou and Pittsfield, 1 each.

Deaths under five years of age numbered 163, as compared with 149 for the preceding week.

Deaths from the principal infectious diseases numbered 99, as compared with 95 for the preceding week.

The death rates for the week were: Boston, 16.91; Worcester, 15.57; Fall River, 20.04; Lowell, 16.44; Cambridge, 11.32; Lynn, 17.59; Lawrence, 13.65; Springfield, 10.10; Somerville, 23.62; New Bedford, 18.12; Holyoke, 13.37; Brockton, 10.04; Newton, 5.29; Haverhill, 10.65; Malden, 11.17; Salem, 11.18; Chelsea, 12.82; Fitchburg, ——; Taunton, 15.04; Everett, 10.32; No. Adams, 16.03; Quincy, 9.70; Gloucester, ——; Waltham, 6.04; Brookline, 13.23; Pittsfield, 34.11; Medford, 16.57; Chicopee, 9.59; Northampton, 17.91; Beverly, 16.45; Leominster, ——; Clinton, 16.56; Adams, 3.56; Attleborough, ——; Hyde Park, 14.34; Newburyport, 14.37; Woburn, 14.53; Melrose, 26.34; Westfield, 15.06; Milford, ——; Marlborough, 26.75; Revere, 15.28; Framingham, ——; Peabody, ——; Gardner, ——; Southbridge, ——; Watertown, 8.98; Weymouth, 18.32; Plymouth, ——.

The total death rate for the week was 15.47, as compared with 14.97 and 15.73 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Feb. 13, 1904.

(Under the Provisions of section 32 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	145	Typhoid fever,	28
Diphtheria and croup,	138	Measles,	518
Small-pox,	0		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Feb. 13, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 7,	29.55	34	48	19	87	95	91	E.	S. W.	3	9	F.	C.		0.05
Monday, 8,	29.98	26	43	10	47	48	48	W.	W.	15	17	C.	C.		0.00
Tuesday, 9,	30.38	8	14	1	70	76	73	W.	W.	8	10	C.	C.		0.00
Wednesday, 10,	30.36	12	24	—1	71	62	66	W.	N. W.	15	8	C.	C.		0.00
Thursday, 11,	30.38	13	20	6	82	68	75	N. W.	N.	13	5	O.	C.		T
Friday, 12,	30.34	18	26	9	76	66	71	N. W.	N.	8	11	F.	O.		0.00
Saturday, 13,	30.34	24	30	19	87	77	82	N.	N.	17	6	O.	O.		T
Week,	30.19		29	9			72								0.05

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

— Below Zero.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of January, 1904: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	88	105	193	Canned Goods,	27	1	28
Butter,	33	..	33	Honey,	6	..	6
Cheese,	8	1	9	Tea,	5	..	5
Lard,	..	..	..	Coffee,	11	1	12
Olive Oil,	..	..	..	Cocoa and Chocolate,	1	..	1
Vinegar,	1	..	1	Confectionery,	6	..	6
Spices,	120	3	123	Condensed Milk,	25	4	29
Cream of Tartar,	20	..	20	Vanilla Extract,	4	..	4
Molasses,	..	..	..	Lemon Extract,	3	2	5
Syrups,	..	..	..	Miscellaneous,	13	9	22
Maple Sugar,	1	..	1	Drugs,	46	31	77
Maple Syrup,	2	..	2				
				Totals,	420	157	577

Percentage of adulteration, 27.2. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 54.4 per cent., while the percentage of articles of food was 6.8 per cent.

The samples of drugs found to be adulterated were Aqua Destillata, Calx Chlorate, Extractum Glycyrrhizæ, Glycerinum, Oleum Limonis, Phenacetine, Spiritus Camphoræ, Spiritus Frumenti, Sulphur Lotum, Sulphur Præcipitatum and Tinctura Iodi.

Cities and towns from which samples of food were collected were Boston, Cambridge, Fall River, Holyoke, Amherst, Brockton, Lawrence, Somerville, Newton, Waltham, Weymouth, Arlington, Revere, Chelsea, Worcester, Hyde Park, Malden, Lowell, Newburyport, Salem and Billerica.

Commonwealth of Massachusetts.—State Board of Health.

Publication of Results of Analyses of Certain Articles of Food, required by Chapter 272, of the Acts of 1902, for the Month of January, 1904.

Number of Sample.	Date of Collection.	City or Town where Purchased.	Character of Sample.	Brand or Name of Manufacturer, Wholesaler or Producer.	Results of Analyses.
49422	January 25.	Boston.	Canned Peas.	"Petits Pois". Jules Dupont.	Soaked peas, greened with copper.
49395	January 21.	Worcester.	Cheese.	MacLaren's Imperial Cheese.	Preserved with boric acid. No formula.
5616 K	Dec. 9, 1903.	Gloucester.	Condensed Milk.	Plume Brand.	Made from skimmed milk. Fat in original milk 2.45%.
49352	January 14.	Malden.	Condensed Milk.	O'Keeffe's O. K. Brand.	Made from skimmed milk. Fat in original milk 2.62%.
49347	January 14.	Malden.	Strawberry Jam.	Ideal Preserving Co., Boston.	Preserved with benzoic acid. Not in formula.
49435	January 26.	Lowell.	Compound Fruit Jelly, C'r'nt Flav'r.	Logan, Johnson & Co., Boston.	Artificially colored. No formula.
49334	January 11.	Lowell.	Raspberry Jelly,	India Preserving Co., Boston.	Artificially colored. Not in formula.
49335	January 11.	Lowell.	Strawberry Jelly,		
49336	January 11.	Lowell.	Currant Jelly.		
49337	January 11.	Lowell.	Grape Jelly.		
1767 M	January 2.	Boston.	Lemon Extract.	Walker Chemical & Extract Co., Chelsea.	0.94% lemon oil. Purports to contain 3%. 59.80% alcohol. Purports to contain 66%.
6216 K	January 16.	Lawrence.	Lemon Extract.	Ragus Tea & Coffee Co, N. Y.	0.6% lemon oil. No formula.
49326	January 11.	Lowell.	"A perfect substitute for eggs."	"N'egg". Egg Substitute Co., Boston.	"N'egg white" consists of tapioca starch. "N'egg yellow" consists of tapioca starch colored with a coal tar dye
49263	January 7.	Charlestown.	Chloride of Lime.	Brookman Mfg. Co., Chicago.	50.7% of required strength.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Feb. 20, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 8.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Feb. 20, 1904.

Deaths reported to the State Board of Health in 40 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from: Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Typhoid Fever.
Boston,	617,950	224	55	46	50	27	4	5	..
Worcester,	136,925	38	14	2	7	1	1	..	..
Fall River,	119,349	46	19	12	9	6	1	4	1
Lowell,	104,402	29	8	5	7	4	..	..	..
Cambridge,	100,998	23	4	4	4	3	1	..	..
Lynn,	73,875	35	12	3	..	1	1	..	..
Lawrence,	72,348	20	5	5	6	3	..	2	..
Springfield,	72,020	24	4	2	..	1	..	..	1
Somerville,	70,413	15	4	2	3	1	1	..	..
New Bedford,	68,863	32	11	5	8	2	..	1	..
Holyoke,	50,538	..	..	..	..	..	..	..	..
Brockton,	46,601	7	1	1	..	1	..	..	..
Newton,	39,310	11	2	1	1	1	..	..	..
Haverhill,	39,061	13	4	1	..	..	1	..	..
Malden,	37,205	10	2	2	3	2	..	..	..
Salem,	37,188	12	3	..	5	..	..	..	..
Chelsea,	36,499	11	6	1	2	1	..	..	..
Fitchburg,	36,335	8	1	1	1	..	..	..	1
Taunton,	34,577	14	3	3	..	2	1	..	..
Everett,	30,209	9	1	3	..	3	..	..	..
North Adams,	29,201	11	3	2	2	..	2	..	..
Quincy,	26,798	10	6	4	2	..	2	1	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	5	..	1	2	1	..	..	..
Brookline,	23,576	6	1	..	1	..	..	..	..
Pittsfield,	22,870	14	3	3	4	..	1	..	1
Medford,	21,956	4	2	..	2	..	..	..	..
Chicopee,	21,692	4	0	2	..	1	..	..	..
Northampton,	20,314	3	1	..	..	..	..	..	..
Beverly,	15,807	3	1	..	1	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	6	0	..	..	..	..	..	..
Adams,	14,745	3	2	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	5	1	1	..	1	..	..	..
Newburyport,	14,478	5	1	..	..	..	..	..	..
Woburn,	14,315	4	1	2	1	1	..	..	..
Melrose,	13,819	5	1	1	..	..	1	..	..
Westfield,	13,809	5	3	1	1	..	1	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	4	2	1	..	..	..	..	..
Revere,	13,609	1	1	..	..	..	..	..	..
Framingham,	12,974	7	2	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	..	..	..	..	..	..	..	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	2	..	..	1	..	..	..	..
Weymouth,	11,350	5	1	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infections Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Typhoid Fever.
Total of reporting towns,	2,146,616	693	191	117	123	63	18	13	4

Note.—*The population of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 40 Cities and Larger Towns of Massachusetts.

One hundred and seventeen deaths were reported from the principal infectious diseases: measles, 7; scarlet fever, 2; cerebro-spinal meningitis, 5; diphtheria and croup, 18; typhoid fever, 4; diarrhœal diseases, 13; erysipelas, 4.

No deaths were reported from small-pox, whooping-cough, puerperal fever or malarial fever.

There were 63 deaths from consumption, acute lung diseases, 123, still-hirths, 50.

From measles: Boston, 6; Quincy, 1. From scarlet fever: Lowell and Chicopee, 1 each. From cerebro-spinal meningitis: Boston, 1; Lynn, 1; New Bedford, 2; Marlborough, 1. From diphtheria and croup: Boston, 4; North Adams, 2; Quincy, 2; Worcester, Fall River, Cambridge, Lynn, Somerville, Haverhill, Taunton, Pittsfield, Melrose, and Westfield, 1 each. From erysipelas: Boston, 3; Pittsfield, 1. From typhoid fever: Fall River, Springfield, Fitchhurg and Pittsfield, 1 each. From influenza, 1.

Deaths under five years of age numbered 191, as compared with 163 for the preceding week.

Deaths from the principal infectious diseases numbered 117, as compared with 99 for the preceding week.

The death rates for the week were: Boston, 18.85; Worcester, 14.43; Fall River, 20.04; Lowell, 14.44; Cambridge, 11.84; Lynn, 24.63; Lawrence, 14.37; Springfield, 17.32; Somerville, 11.08; New Bedford, 24.16; Holyoke, ——; Brockton, 7.81; Newton, 14.55; Haverhill, 17.30; Malden, 13.97; Salem, 16.77; Chelsea, 15.67; Fitchhurg, 11.49; Taunton, 21.05; Everett, 15.49; No. Adams, 19.59; Quincy, 19.40; Gloucester, ——; Waltham, 10.07; Brookline, 13.23; Pittsfield, 31.83; Medford, 9.47; Chicopee, 9.59; Northampton, 7.68; Beverly, 9.87; Leominster, ——; Clinton, 19.88; Adams, 10.70; Attleborough, ——; Hyde Park, 17.93; Newhuryport, 17.96; Woburn, 14.53; Melrose, 18.81; Westfield, 18.82; Milford, ——; Marlborough, 15.28; Revere, 3.82; Framingham, 28.05; Peahody, ——; Gardner, ——; Southhridge, ——; Watertown, 22.46; Weymouth, 22.90; Plymouth, ——.

The total death rate for the week was 16.78, as compared with 15.47 and 14.97 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Feb. 20, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	111	Typhoid fever,	26
Diphtheria and croup,	125	Measles,	760
Small-pox,	1		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Feb. 20, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, . . 14,	30.16	22	27	16	77	94	86	N. W.	S. E.	7	10	C.	N.		T
Monday, . . 15,	29.64	22	29	15	100	84	92	N.	W.	12	22	N.	N.		0.74
Tuesday, . . 16,	29.74	8	15	1	64	64	64	W.	W.	20	26	C.	O.		T
Wednesday, . 17,	30.04	13	22	4	66	56	61	W.	N. W.	12	22	C.	C.		0.00
Thursday, . . 18,	30.36	19	30	8	59	63	61	N. W.	W.	15	7	C.	O.		0.00
Friday, . . 19,	30.20	22	26	17	74	93	84	S.	N.	5	13	N.	N.		0.17
Saturday, . . 20,	30.51	25	36	14	73	58	66	N. W.	N. W.	15	6	C.	C.		T
Week, . . .	30.09		26	11			73								0.91

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

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MORTALITY OF MASSACHUSETTS

For the Week ending Feb. 27, 1904.

Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Typhoid Fever.
Boston,	617,950	216	59	45	54	34	3	2	1
Worcester,	136,925	36	12	1	3	..	..	..	..
Fall River,	119,349	42	20	10	13	6	..	4	..
Lowell,	104,402	37	14	7	12	5	..	..	2
Cambridge,	100,998	23	3	4	3	4	..	..	..
Lynn,	73,875	28	5	3	..	2	1	..	..
Lawrence,	72,348	29	12	8	8	4	..	3	..
Springfield,	72,020	24	4	2	2	2	..	..	..
Somerville,	70,413	27	6	1	2	..	..	..	..
New Bedford,	68,863	26	7	3	4	2	..	..	..
Holyoke,	50,538	11	7	1	4	..	..	..	..
Brockton,	46,601	11	2	2	..	1	1	..	..
Newton,	39,310	5	..	..	1	..	..	..	..
Haverhill,	39,061	10	2	2	2	2	..	..	..
Malden,	37,205	11	4	..	2	..	..	..	..
Salem,	37,188	13	2	..	..	..	..	..	..
Chelsea,	36,499	16	5	2	1	..	..	1	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	13	3	4	1	3	..	..	..
Everett,	30,209	3	..	..	..	..	..	..	..
North Adams,	29,201	5	3	4	1	1	2	..	..
Quincy,	26,798	5	1	..	..	..	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	8	2	1	2	1	..	..	..
Brookline,	23,576	6	..	..	..	..	..	..	..
Pittsfield,	22,870	8	..	1	3	..	1	..	..
Medford,	21,956	5	1	..	2	..	..	..	..
Chicopee,	21,692	10	4	3	1	3	..	..	..
Northampton,	20,314	10	2	1	..	1	..	..	..
Beverly,	15,807	4	..	1	1	1	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	2	0	..	1	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	5	2	..	2	..	..	..	..
Newburyport,	14,478	7	0	3	..	2	..	..	..
Woburn,	14,315	..	..	..	..	..	..	..	..
Melrose,	13,819	..	..	..	..	..	..	..	..
Westfield,	13,809	4	..	..	1	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	2	..	..	..	..	..	..	..
Revere,	13,609	4	1	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	8	2	2	1	..	..	..	1
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	1	0	..	1	..	..	..	..
Weymouth,	11,350	4	..	1	2	1	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Typhoid Fever.
Total of reporting towns,	2,117,290	679	185	112	130	75	8	10	4

Note.—*The population of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 37 Cities and Larger Towns of Massachusetts.

One hundred and twelve deaths were reported from the principal infectious diseases: measles, 2; scarlet fever, 3; cerebro-spinal meningitis, 2; diphtheria and croup, 8; typhoid fever, 4; diarrhœal diseases, 10; erysipelas, 4; influenza, 2.

No deaths were reported from malarial fever, puerperal fever or small-pox.

There were 75 deaths from consumption, acute lung diseases, 130, still-births, 43.

From measles: Boston, 2. From scarlet fever: Worcester, Taunton and North Adams, 1 each. From cerebro-spinal meningitis: Somerville and Chelsea, 1 each. From diphtheria and croup: Boston, 3; North Adams, 2; Lynn, Brockton and Pittsfield, 1 each. From whooping-cough: Lawrence and Holyoke, 1 each. From erysipelas: Boston, 3; New Bedford, 1. From typhoid fever: Lowell, 2; Boston, 1; Gardner, 1.

Deaths under five years of age numbered 185, as compared with 191 for the preceding week.

Deaths from the principal infectious diseases numbered 112, as compared with 117 for the preceding week.

The death rates for the week were: Boston, 18.17; Worcester, 13.67; Fall River, 18.28; Lowell, 18.43; Cambridge, 11.84; Lynn, 19.71; Lawrence, 20.84; Springfield, 17.32; Somerville, 19.94; New Bedford, 19.63; Holyoke, 11.31; Brockton, 12.27; Newton, 6.61; Haverhill, 13.31; Malden, 15.36; Salem, 18.17; Chelsea, 22.80; Fitchburg, ——; Taunton, 19.55; Everett, 5.16; No. Adams, 8.90; Quincy, 9.70; Gloucester, ——; Waltham, 16.12; Brookline, 13.23; Pittsfield, 18.19; Medford, 11.84; Chicopee, 23.97; Northampton, 25.59; Beverly, 13.16; Leominster, ——; Clinton, 6.62; Adams, ——; Attleborough, ——; Hyde Park, 17.93; Newburyport, 25.14; Woburn, ——; Melrose, ——; Westfield, 15.06; Milford, ——; Marlborough, 7.64; Revere, 15.28; Framingham, ——; Peabody, ——; Gardner, 33.75; Southbridge, ——; Watertown, 4.49; Weymouth, 18.32; Plymouth, ——.

The total death rate for the week was 16.67, as compared with 16.78 and 15.47 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Feb. 27, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	122	Typhoid fever,	26
Diphtheria and croup,	130	Measles,	677
Small-pox,	0		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Feb. 27, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 21,	30.44	30	42	18	69	63	66	W.	S.	5	15	C.	O.		0.00
Monday, 22,	29.64	40	49	30	100	86	91	S. W.	W.	20	30	R.	C.		0.75
Tuesday, 23,	29.82	36	44	27	64	48	56	S. W.	N. W.	16	20	C.	F.		0.00
Wednesday, 24,	29.58	33	40	26	100	94	97	S.	W.	3	7	N.	N.		0.23
Thursday, 25,	29.88	19	26	12	41	53	47	W.	N. W.	24	20	C.	C.		0.02
Friday, 26,	30.32	18	26	10	53	42	48	N. W.	N.	15	7	C.	C.		0.00
Saturday, 27,	30.54	22	29	14	66	77	72	N.	S. E.	16	6	N.	N.		0.01
Week,	30.03		37	20			68								1.01

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Mar. 5, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 10.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Mar. 5, 1904.

Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from: Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Typhoid Fever.
Boston,	617,950	241	77	56	55	28	3	2	5
Worcester,	136,925	44	6	3	6	3	..	..	..
Fall River,	119,349	48	25	11	14	6	1	3	1
Lowell,	104,402	37	7	5	6	4	1	..	..
Cambridge,	100,998	30	8	6	1	3	1	1	1
Lynn,	73,875	24	6	1	..	..	1	..	..
Lawrence,	72,348	27	11	4	7	2	1	1	..
Springfield,	72,020	17	2	1	1	1	..	..	..
Somerville,	70,413	24	9	4	5	4	..	..	..
New Bedford,	68,863	29	9	7	8	6	..	..	..
Holyoke,	50,538	..	..	..	..	..	..	..	..
Brockton,	46,601	7	1	1	..	..	..	..	1
Newton,	39,310	9	1	1	2	..	..	..	..
Haverhill,	39,061	13	..	2	2	2	..	..	..
Malden,	37,205	15	5	2	3	..	1	..	..
Salem,	37,188	7	1	..	..	..	..	..	..
Chelsea,	36,499	8	1	1	2	..	..	..	1
Fitchburg,	36,335	9	4	3	..	1	1	..	..
Taunton,	34,577	16	3	4	1	3	..	..	..
Everett,	30,209	9	..	2	..	2	..	..	..
North Adams,	29,201	10	2	3	5	1	..	..	..
Quincy,	26,798	5	2	2	2	..	2	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	6	..	1	3	1	..	..	..
Brookline,	23,576	6	3	..	3	..	..	..	..
Pittsfield,	22,870	5	1	..	..	..	..	..	..
Medford,	21,956	4	..	1	2	..	..	..	..
Chicopee,	21,692	8	2	3	1	3	..	..	..
Northampton,	20,314	2	0	..	..	..	..	..	..
Beverly,	15,807	6	..	1	..	1	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	1	1	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	3	..	2	..	2	..	..	..
Newburyport,	14,478	5	0	..	1	..	..	..	..
Woburn,	14,315	..	..	..	..	..	..	..	..
Melrose,	13,819	3	..	1	1	..	..	..	1
Westfield,	13,809	7	..	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	..	..	..	..	..	..	..	..
Revere,	13,609	2	2	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	6	..	4	..	3	..	..	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	4	0	..	..	..	..	..	..
Weymouth,	11,350	3	0	2	..	2	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Typhoid Fever.
Total of reporting towns,	2,103,297	700	189	134	131	78	12	7	10

Note.—*The population of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 37 Cities and Larger Towns of Massachusetts.

One hundred and thirty-four deaths were reported from the principal infectious diseases: measles, 14; scarlet fever, 2; cerebro-spinal meningitis, 3; diphtheria and croup, 12; typhoid fever, 10; diarrhœal diseases, 7; erysipelas, 6; influenza, 1.

No deaths were reported from malarial fever, puerperal fever or small-pox.

There were 78 deaths from consumption, acute lung diseases, 131, still-births, 40.

From measles: Boston, 14. From scarlet fever: Malden, 1; Newton, 1. From cerebro-spinal meningitis: New Bedford, North Adams and Gardner, 1 each. From diphtheria and croup: Boston, 3; Quincy, 2; and Fall River, Lowell, Cambridge, Lynn, Lawrence, Malden and Fitchburg, 1 each. From whooping-cough: Fitchburg, 1. From erysipelas: Boston, 4; Taunton, 1; North Adams, 1. From typhoid fever: Boston, 5; Fall River, Cambridge, Brockton, Chelsea and Melrose, 1 each.

Deaths under five years of age numbered 189, as compared with 185 for the preceding week.

Deaths from the principal infectious diseases numbered 134, as compared with 112 for the preceding week.

The death rates for the week were: Boston, 20.27; Worcester, 16.71; Fall River, 20.91; Lowell, 18.43; Cambridge, 15.44; Lynn, 16.89; Lawrence, 19.40; Springfield, 12.27; Somerville, 17.72; New Bedford, 21.89; Holyoke, ——; Brockton, 7.81; Newton, 11.90; Haverhill, 17.30; Malden, 20.95; Salem, 9.78; Chelsea, 11.40; Fitchburg, 12.88; Taunton, 24.06; Everett, 15.49; No. Adams, 17.81; Quincy, 9.70; Gloucester, ——; Waltham, 12.09; Brookline, 13.23; Pittsfield, 11.37; Medford, 9.47; Chicopee, 19.17; Northampton, 5.12; Beverly, 19.74; Leominster, ——; Clinton, 3.31; Adams, ——; Attlehorough, ——; Hyde Park, 10.76; Newburyport, 17.96; Woburn, ——; Melrose, 11.29; Westfield, 26.35; Milford, ——; Marlhorough, ——; Revere, 7.64; Framingham, ——; Peabody, ——; Gardner, 25.31; Southbridge, ——; Watertown, 17.97; Weymouth, 13.74; Plymouth, ——.

The total death rate for the week was 17.19, as compared with 16.67 and 16.78 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Mar. 5, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	99	Typhoid fever,	29
Diphtheria and croup,	130	Measles,	526
Small-pox,	0		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Mar. 5, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, Feb. 28,	30.24	32	40	25	71	87	79	S.	W.	15	10	O.	O.		0.14
Monday, 29,	30.30	34	38	29	68	67	68	N.	N. E.	14	19	O.	O.		0.00
Tuesday, Mar. 1,	30.26	30	33	28	100	95	98	E.	N. E.	20	8	R.	R.		0.48
Wednesday, 2,	30.27	32	38	26	82	81	82	N. W.	S. W.	4	9	O.	C.		0.01
Thursday, 3,	29.61	37	50	24	97	96	96	S. E.	W.	5	28	R.	R.		0.42
Friday, 4,	30.33	17	24	10	52	40	46	N. W.	N. W.	26	14	C.	C.		0.04
Saturday, 5,	30.87	14	21	8	44	68	56	N.	S. E.	8	9	C.	O.		T
Week,	30.27		35	21			75								1.09

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Mar. 12, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 11.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Mar. 12, 1904.

Deaths reported to the State Board of Health in 42 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Typhoid Fever.
Boston,	617,950	247	63	59	48	33	6	3	2
Worcester,	136,925	43	14	..	8	..	..	..	..
Fall River,	119,349	28	8	3	8	3	..	..	..
Lowell,	104,402	26	6	3	4	2	..	..	1
Cambridge,	100,998	25	6	7	2	6	..	..	1
Lynn,	73,875	19	2	2	..	1	..	..	..
Lawrence,	72,348	20	6	8	2	3	..	4	1
Springfield,	72,020	21	3	1	1	..	..	..	..
Somerville,	70,413	23	3	4	4	3	..	..	..
New Bedford,	68,863	30	14	9	7	2	2	2	..
Holyoke,	50,538	21	7	2	4	2	..	..	..
Brockton,	46,601	17	3	5	..	2	..	..	1
Newton,	39,310	10	1	..	1	..	..	..	..
Haverhill,	39,061	14	2	5	1	5	..	..	..
Malden,	37,205	8	2	1	4	1	..	..	..
Salem,	37,188	12	5	..	2	..	..	..	..
Chelsea,	36,499	12	..	3	2	2	..	1	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	14	2	..	3	..	..	..	..
Everett,	30,209	13	4	3	..	3	..	..	..
North Adams,	29,201	8	..	2	1	2	..	..	..
Quincy,	26,798	8	2	..	1	..	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	7	1	..	1	..	..	..	..
Brookline,	23,576	8	1	..	1	..	..	..	..
Pittsfield,	22,870	5	2	..	1	..	..	..	..
Medford,	21,956	2	..	..	..	..	..	..	..
Chicopee,	21,692	11	3	1	..	1	..	..	..
Northampton,	20,314	10	..	4	2	3	..	..	1
Beverly,	15,807	5	1	..	2	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	0	..	..	..	..	..	..	..
Adams,	14,745	1	0	..	..	..	..	..	..
Attleborough,	14,561	3	..	..	..	..	..	..	..
Hyde Park,	14,500	4	1	1	3	1	..	..	..
Newburyport,	14,478	7	1	1	1	..	1	..	..
Woburn,	14,315	2	1	..	..	..	..	..	..
Melrose,	13,819	4	1	1	1	1	..	..	..
Westfield,	13,809	2	1	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	4	1	2	..	1	..	1	..
Revere,	13,609	4	1	1	..	1	..	..	..
Framingham,	12,974	7	1	..	1	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	3	1	3	..	1	..	..	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	4	1	..	..	..	..	..	..
Weymouth,	11,350	3	0	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Typhoid Fever.
Total of reporting towns,	2,187,704	715	171	131	116	79	9	11	7

Note.—*The population of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 42 Cities and Larger Towns of Massachusetts.

One hundred and thirty-one deaths were reported from the principal infectious diseases: measles, 6; scarlet fever, 4; cerebro-spinal meningitis, 6; diphtheria and croup, 9; typhoid fever, 7; diarrhœal diseases, 11; erysipelas, 2; influenza, 4; puerperal fever, 1.

No deaths were reported from malarial fever or small-pox.

There were 79 deaths from consumption, acute lung diseases, 131, still-births, 46.

From measles: Boston, 5; Brockton, 1. From scarlet fever: Boston, 3; Springfield, 1. From cerebro-spinal meningitis: Boston, 3; Lynn, Brockton and Gardner, 1 each. From diphtheria and croup: Boston, 6; New Bedford, 2; Newburyport, 1. From whooping-cough: Boston, 2. From erysipelas: Boston, 1; Somerville, 1. From typhoid fever: Boston, 2; Lowell, Cambridge, Brockton, Lawrence and Northampton, 1 each. From influenza: New Bedford, 3; Gardner, 1.

Deaths under five years of age numbered 171, as compared with 189 for the preceding week.

Deaths from the principal infectious diseases numbered 131, as compared with 134 for the preceding week.

The death rates for the week were: Boston, 20.78; Worcester, 16.33; Fall River, 12.20; Lowell, 12.95; Cambridge, 12.87; Lynn, 13.37; Lawrence, 14.37; Springfield, 15.16; Somerville, 17.58; New Bedford, 22.65; Holyoke, 21.61; Brockton, 18.97; Newton, 13.23; Haverhill, 18.63; Malden, 11.17; Salem, 16.77; Chelsea, 17.10; Fitchburg, ——; Taunton, 21.05; Everett, 22.37; No. Adams, 14.25; Quincy, 15.52; Gloucester, ——; Waltham, 14.10; Brookline, 17.64; Pittsfield, 11.37; Medford, 4.74; Chicopee, 26.36; Northampton, 25.59; Beverly, 16.45; Leominster, ——; Clinton, ——; Adams, 3.57; Attleborough, 10.71; Hyde Park, 14.34; Newburyport, 25.14; Woburn, 7.26; Melrose, 15.05; Westfield, 7.53; Milford, ——; Marlborough, 15.28; Revere, 15.28; Framingham, 28 05; Peabody, ——; Gardner, 12.65; Southbridge, ——; Watertown, 17.97; Weymouth, 13.74; Plymouth, ——.

The total death rate for the week was 16.99, as compared with 17.19 and 16.67 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Mar. 12, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	103	Typhoid fever,	24
Diphtheria and croup,	133	Measles,	553
Small-pox,	0		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Mar. 12, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 6,	30.66	28	38	19	74	70	72	S. E.	S.	9	8	O.	F.			0.00
Monday, 7,	30.06	40	59	31	90	96	93	E.	S. E.	8	19	O.	R.			0.20
Tuesday, 8,	29.57	46	54	37	93	79	86	W.	W.	6	13	O.	C.			0.56
Wednesday, 9,	29.72	28	38	18	50	53	52	W.	W.	12	22	C.	F.			0.00
Thursday, 10,	29.99	24	31	16	50	36	43	N. W.	W.	18	10	C.	C.			0.00
Friday, 11,	29.75	28	31	25	41	65	53	W.	N. E.	5	7	O.	O.			T
Saturday, 12,	29.64	29	40	18	51	46	48	N. W.	N. W.	18	22	C.	C.			0.00
Week,	29.63		40	23			64									0.76

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of February, 1904: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk, . . .	99	89	188	Canned Goods, .	23	3	26
Butter, . . .	27	4	31	Honey, . . .	10	1	11
Cheese, . . .	9	..	9	Tea, . . .	9	..	9
Lard, . . .	3	..	3	Coffee, . . .	16	..	16
Olive Oil, . . .	..	..	..	Cocoa, . . .	2	..	2
Vinegar, . . .	3	1	4	Confectionery, .	3	..	3
Spices, . . .	133	13	146	Lemon Extract, .	2	3	5
Cream of Tartar, .	32	..	32	Vanilla Extract, .	4	..	4
Molasses, . . .	2	..	2	Miscellaneous, .	11	5	16
Condensed Milk, .	11	1	12	Drugs, . . .	40	34	74
Maple Sugar, . .	4	..	4				
Maple Syrup, . .	5	..	5				
				Totals, . .	448	154	602

Percentage of adulteration, 25.6. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 47.3 per cent., while the percentage of articles of food was 9.1 per cent.

The samples of drugs found to be adulterated were Aqua Ammonia Fort, Extractum Glycyrrhizæ, Ferri et Quininæ Citras, Oleum Limonis, Spiritus Camphoræ, Spiritus Frumenti, Sulphur Lotum, Syrupus and Tinctura Iodi.

Cities and towns from which samples of food were collected were Boston, Cambridge, Somerville, Springfield, Holyoke, Newton, Quincy, Weymouth, Braintree, Milton, Watertown, Andover, Lowell, Brookline, Everett, Lawrence, Worcester, Milford, Woburn, Reading, Chelsea, Malden, and Medford.

Commonwealth of Massachusetts.—State Board of Health.

Publication of Results of Analyses of Certain Articles of Food, required by Chapter 272, of the Acts of 1902, for the Month of February, 1904.

Number of Sample.	Date of Collection.	City or Town where Purchased.	Character of Sample.	Brand or Name of Manufacturer, Wholesaler or Producer.	Results of Analyses.
49465	February 3.	Medford.	Canned Peas.	"Morning Ray Early June Peas". Torrey Park Preserving Co., Geneva, N. Y.	Soaked peas. Not marked.
49600	February 19.	Lowell.	Canned Peas.	"Petits Pois Verts". Nabob. Bordeaux, France.	Soaked peas, greened with copper. Not marked.
49601	February 19.	Lowell.	Canned Peas.	"Petits Pois". Alphonse Pinaud. Paris, Bordeaux.	Greened with copper.
49471	February 4.	Boston.	Condensed Milk.	Silver Brand.	Made from skimmed milk. Fat in original milk 2.70%. Fat in condensed milk 7.50%.
6814 K	February 26.	Woburn.	Honey.	"Wild Rose". San Diego Honey Co., San Francisco, Cal.	Admixture of cane sugar and glucose syrup.
49504	February 9.	Somerville.	Strawberry Jelly.	The Grocer's Preserving Co., Boston.	Colored. No formula.
2267 M	February 10.	Roxbury.	Currant Jelly.	E. T. Cowdrey Co., Boston.	Colored. No formula.
49547	February 12.	Somerville.	Currant Jelly.	"Home Made". Crystal Couserve Co., New York.	Colored. Not in formula.
6698 K	February 20.	Lawrence.	Lemon Extract.	"Pure Concentrated". No address.	Contains no lemon oil.
2189 M	February 5.	Quincy.	Lemon Extract.	Oriental Drug Co., Boston.	Contains 1% oil. Purports to contain 2.5%.
2439 M	February 24.	Allston.	Lemon Extract.	Derby Brand. Derby Food Producing Co., Boston.	{ Contains 1% oil. Purports to contain 3%. { Contains 50.11% alcohol. Purports to contain 70%.
49669	February 25.	Lawrence.	Pepper.	Ragus Tea & Coffee Co, New York.	Admixture of foreign starch.
49485	February 6.	Boston.	Whiskey.	"Red Cap Rye". H. Davis & Co., Louisville, Ky.	34.52% alcohol. Required amount is 44 to 50%.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Mar. 19, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 12.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Mar. 19, 1904.

Deaths reported to the State Board of Health in 42 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Typhoid Fever.
Boston,	617,950	253	67	54	53	30	7	2	3
Worcester,	136,925	26	15	1	5	1	..	..	..
Fall River,	119,349	32	13	5	6	4	1	..	..
Lowell,	104,402	35	10	4	5	3	..	1	..
Cambridge,	100,998	34	6	7	7	3	1	..	..
Lynn,	73,875	20	2	1	..	1	..	..	..
Lawrence,	72,348	34	12	5	7	2	..	2	1
Springfield,	72,020	27	8	10	2	5	..	..	..
Somerville,	70,413	20	4	3	3	1	..	..	..
New Bedford,	68,863	28	8	1	7	..	1	..	..
Holyoke,	50,538	13	5	1	2	1	..	..	..
Brockton,	46,601	6	3	1	..	..	..	..	..
Newton,	39,310	8	1	2	..	2	..	..	..
Haverhill,	39,061	11	2	..	1	..	..	..	..
Malden,	37,205	10	4	1	4	..	1	..	..
Salem,	37,188	9	2	2	..	2	..	..	..
Chelsea,	36,499	15	2	2	1	2	..	..	..
Fitchburg,	36,335	5	1	..	2	..	..	..	..
Taunton,	34,577	18	3	..	3	..	..	..	..
Everett,	30,209	8	3	1	..	1	..	..	..
North Adams,	29,201	3	2	1	..	..	..	..	1
Quincy,	26,798	14	3	4	2	4	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	8	..	2	2	1	1	..	..
Brookline,	23,576	4	..	..	2	..	..	..	..
Pittsfield,	22,870	13	..	1	4	1	..	..	..
Medford,	21,956	8	1	4	1	3	..	..	..
Chicopee,	21,692	7	3	1	..	1	..	..	..
Northampton,	20,314	3	1	1	..	1	..	..	..
Beverly,	15,807	1	..	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	3	2	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	4	3	1	1	..	..	..	..
Hyde Park,	14,500	10	1	2	4	1	..	..	..
Newburyport,	14,478	5	2	..	..	..	..	..	..
Woburn,	14,315	6	2	..	3	..	..	..	..
Melrose,	13,819	3	..	..	1	..	..	..	..
Westfield,	13,809	3	..	..	1	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	2	1	..	..	..	..	..	..
Revere,	13,609	5	..	1	2	1	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	5	2	1	..	..	1	..	..
Southbridge,	11,716	1	1	..	1	..	..	..	..
Watertown,	11,575	8	2	1	2	..	..	..	..
Weymouth,	11,350	2	0	1	..	1	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Typhoid Fever.
Total of reporting towns,	2,208,036	730	197	122	134	72	13	5	5

Note.—*The population of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 42 Cities and Larger Towns of Massachusetts.

One hundred and twenty-two deaths were reported from the principal infectious diseases: measles, 10; scarlet fever, 6; cerebro-spinal meningitis, 5; diphtheria and croup, 13; typhoid fever, 5; diarrhœal diseases, 5; erysipelas, 3; influenza, 1; puerperal fever, 1.

No deaths were reported from malarial fever or small-pox.

There were 72 deaths from consumption, acute lung diseases, 134, still-hirths, 61.

From measles: Boston, 9; Cambridge, 1. From scarlet fever: Cambridge, 1; Springfield, 4; Somerville, 1. From cerebro-spinal meningitis: Boston, Springfield, Brockton, Medford and Attleborough, 1 each. From diphtheria and croup: Boston, 7; Fall River, Cambridge, New Bedford, Malden, Waltham and Gardner, 1 each. From whooping-cough: Boston, 1. From erysipelas: Boston, Cambridge and Somerville, 1 each. From typhoid fever: Boston, 3; Lawrence, 1; Everett, 1. From influenza: Watertown, 1.

Deaths under five years of age numbered 197, as compared with 171 for the preceding week.

Deaths from the principal infectious diseases numbered 122, as compared with 131 for the preceding week.

The death rates for the week were: Boston, 21.28; Worcester, 9.87; Fall River, 14.94; Lowell, 17.43; Cambridge, 17.50; Lynn, 14.08; Lawrence, 24.43; Springfield, 20.21; Somerville, 14.77; New Bedford, 21.14; Holyoke, 13.37; Brockton, 6.69; Newton, 10.58; Haverhill, 14.64; Malden, 13.97; Salem, 12.58; Chelsea, 21.37; Fitchburg, 7.05; Taunton, 27.07; Everett, 13.77; No. Adams, 5.34; Quincy, 27.16; Gloucester, ——; Waltham, 16.12; Brookline, 8.82; Pittsfield, 29.56; Medford, 18.94; Chicopee, 16.78; Northampton, 7.68; Beverly, 3.29; Leominster, ——; Clinton, 9.94; Adams, ——; Attleborough, 14.28; Hyde Park, ——; Newburyport, 17.96; Woburn, 21.73; Melrose, 11.29; Westfield, 11.29; Milford, ——; Marlborough, 7.64; Revere, 19.10; Framingham, ——; Peabody, ——; Gardner, 21.09; Southbridge, 4.44; Watertown, 35.93; Weymouth, 9.16; Plymouth, ——.

The total death rate for the week was 17.19, as compared with 16.99 and 17.19 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Mar. 19, 1904.

(Under the Provisions of section 52 of chapter 73, of the Revised Laws of Massachusetts.)

Scarlet fever,	119	Typhoid fever,	23
Diphtheria and croup,	103	Measles,	550
Small-pox,	1		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Mar. 19, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 13,	29.84	28	35	21	47	51	49	N. W.	N.	12	20		F.	F.			0.00
Monday, 14,	30.00	30	38	22	51	55	53	N. W.	S.	9	14		O.	O.			0.00
Tuesday, 15,	29.76	32	34	30	95	100	98	N.	N. W.	8	14		N.	N.			0.15
Wednesday, 16,	30.00	28	33	22	69	59	64	N. W.	N. W.	12	31		O.	C.			0.01
Thursday, 17,	30.34	30	39	22	51	47	49	N. W.	S.	18	14		C.	C.			0.00
Friday, 18,	29.90	33	36	30	94	91	92	S. E.	N. W.	7	17		N.	O.			0.30
Saturday, 19,	29.92	40	48	32	57	62	60	S. W.	S.	14	20		C.	O.			0.00
Week,	29.97		38	26			66										0.46

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Mar. 26, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 13.

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Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Mar. 26, 1904.

Deaths reported to the State Board of Health in 40 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from: Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Typhoid Fever.
Boston,	617,950	237	61	54	45	38	5	1	..
Worcester,	136,925	47	7	4	7	3	..	..	..
Fall River,	119,349	34	17	5	8	4	..	1	..
Lowell,	104,402	41	14	4	11	1	..	..	1
Cambridge,	100,998	46	14	6	7	5	..	..	..
Lynn,	73,875	27	..	1	..	1	..	..	..
Lawrence,	72,348	19	6	3	6	2	..	1	..
Springfield,	72,020	29	7	2	3	1	1	..	..
Somerville,	70,413	14	1	1	4	1	..	..	..
New Bedford,	68,863	27	10	5	7	3	..	2	..
Holyoke,	50,538	..	..	..	..	..	..	..	..
Brockton,	46,601	17	3	1	1	..	..	..	..
Newton,	39,310	5	1	..	1	..	..	..	..
Haverhill,	39,061	8	2	..	1	..	..	..	..
Malden,	37,205	17	4	3	3	2	..	..	1
Salem,	37,188	17	3	1	..	..	..	..	1
Chelsea,	36,499	14	1	3	3	2	..	..	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	19	4	2	9	2	..	..	..
Everett,	30,209	9	1	2	..	1	1	..	..
North Adams,	29,201	13	2	2	2	1	..	..	..
Quincy,	26,798	12	2	..	3	..	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	4	1	1	..	1	..	..	..
Brookline,	23,576	4	..	..	..	..	..	..	..
Pittsfield,	22,870	7	1	..	2	..	..	..	..
Medford,	21,956	2	1	..	..	..	..	..	..
Chicopee,	21,692	13	6	1	1	1	..	..	..
Northampton,	20,314	5	1	3	..	2	..	..	1
Beverly,	15,807	4	1	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	3	0	..	..	..	..	..	..
Adams,	14,745	0	..	..	..	..	..	..	..
Attleborough,	14,561	5	..	2	2	1	1	..	..
Hyde Park,	14,500	2	1	1	..	..	..	..	..
Newburyport,	14,478	6	0	2	..	2	..	..	..
Woburn,	14,315	5	2	..	1	..	..	..	..
Melrose,	13,819	7	..	2	1	1	1	..	..
Westfield,	13,809	2	..	1	..	..	..	..	1
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	6	0	1	3	..	..	1	..
Revere,	13,609	2	..	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	3	1	3	..	2	..	..	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	4	0	..	1	..	..	..	..
Weymouth,	11,350	3	0	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Typhoid Fever.
Total of reporting towns,	2,124,192	739	175	116	132	77	9	6	5

Note.—*The population of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period.

Deaths from Prevalent Diseases in 40 Cities and Larger Towns of Massachusetts.

One hundred and sixteen deaths were reported from the principal infectious diseases: measles, 4; scarlet fever, 3; cerebro-spinal meningitis, 4; diphtheria and croup, 9; typhoid fever, 5; diarrhœal diseases, 6; erysipelas, 3; puerperal fever, 1; whooping-cough, 2; small-pox, 1; glanders, 1.

No deaths were reported from malarial fever or influenza.

There were 77 deaths from consumption, acute lung diseases, 132, still-births, 44.

From measles: Boston, 2; Brockton, 1; Lowell, 1. From scarlet fever: Boston, 2; Hyde Park, 1. From cerebro-spinal meningitis: Boston, Worcester, North Adams and Gardner, 1 each. From diphtheria and croup: Boston, 5; Springfield, Everett, Melrose and Attleborough, 1 each. From whooping-cough: Boston and Cambridge, 1 each. From typhoid fever: Lowell, Salem, Malden, Northampton and Westfield, 1 each. From small-pox: Lowell, 1. From glanders: Chelsea, 1.

Deaths under five years of age numbered 175, as compared with 197 for the preceding week.

Deaths from the principal infectious diseases numbered 116, as compared with 122 for the preceding week.

The death rates for the week were: Boston, 19.94; Worcester, 17.85; Fall River, 14.81; Lowell, 20.42; Cambridge, 23.68; Lynn, 19.00; Lawrence, 13.65; Springfield, 20.93; Somerville, 10.34; New Bedford, 20.38; Holyoke, ——; Brockton, 18.97; Newton, 6.61; Haverhill, 10.65; Malden, 23.75; Salem, 23.76; Chelsea, 19.95; Fitchburg, ——; Taunton, 28.57; Everett, 15.49; No. Adams, 23.05; Quincy, 23.28; Gloucester, ——; Waltham, 8.06; Brookline, 8.82; Pittsfield, 15.92; Medford, 4.74; Chicopee, 31.16; Northampton, 12.79; Beverly, 13.16; Leominster, ——; Clinton, 9.94; Adams, ——; Attleborough, 17.85; Hyde Park, 7.17; Newburyport, 23.55; Woburn, 18.16; Melrose, 26.34; Westfield, 7.53; Milford, ——; Marlborough, 22.93; Revere, 7.64; Framingham, ——; Peabody, ——; Gardner, 12.66; Southbridge, ——; Watertown, 17.97; Weymouth, 13.74; Plymouth, ——.

The total death rate for the week was 18.09, as compared with 17.19 and 16.99 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Mar. 26, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	103	Typhoid fever,	31
Diphtheria and croup,	116	Measles,	576
Small-pox,	2		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Mar. 26, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 20,	29.80	40	46	33	70	64	67	W.	W.	18	17	F.	C.		0.05
Monday, 21,	30.31	37	44	30	55	50	52	N. W.	S.	14	7	C.	O.		0.00
Tuesday, 22,	30.04	42	49	34	81	100	90	S. E.	S. W.	7	7	R.	R.		0.08
Wednesday, 23,	29.95	48	55	34	93	56	74	W.	W.	12	12	R.	C.		0.16
Thursday, 24,	30.42	47	56	41	55	40	48	N. W.	S.	10	12	C.	C.		0.00
Friday, 25,	30.28	48	60	38	71	88	80	S.	S. W.	15	24	O.	R.		T
Saturday, 26,	29.62	54	70	35	77	44	62	S. W.	W.	20	25	O.	F.		T
Week,	30.06		54	35			68								0.29

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, April 2, 1904.

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JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending April 2, 1904.

Deaths reported to the State Board of Health in 43 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Typhoid Fever.
Boston,	617,950	226	54	37	41	25	3	2	..
Worcester,	136,925	35	19	4	6	1	..	1	..
Fall River,	119,349	48	19	9	13	5	..	4	..
Lowell,	104,402	32	7	5	5	1	..	2	2
Cambridge,	100,998	17	5	4	1	2	1	..	1
Lynn,	73,875	31	7	4	..	3	1	..	..
Lawrence,	72,348	21	10	4	4	3	..	..	..
Springfield,	72,020	25	7	9	1	4	..	..	..
Somerville,	70,413	21	5	6	4	3	..	1	1
New Bedford,	68,863	21	7	3	3	1	1	1	..
Holyoke,	50,538	14	4	5	3	5	..	..	..
Brockton,	46,601	13	3	6	..	3	..	..	..
Newton,	39,310	9	1	1	1	..	..	..	..
Haverhill,	39,061	8	1	2	4	2	..	..	..
Malden,	37,205	14	2	2	..	2	..	..	..
Salem,	37,188	17	4	..	..	..	..	..	..
Chelsea,	36,499	15	5	1	2	..	1	..	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	11	4	2	1	1	1	..	..
Everett,	30,209	14	..	3	..	3	..	..	..
North Adams,	29,201	7	1	1	..	..	..	..	1
Quincy,	26,798	4	4	1	1	..	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	8	2	1	4	1	..	..	..
Brookline,	23,576	6	..	..	2	..	..	..	..
Pittsfield,	22,870	7	1	..	1	..	..	..	..
Medford,	21,956	4	1	..	..	..	..	..	..
Chicopee,	21,692	12	5	2	1	1	..	..	..
Northampton,	20,314	12	2	..	6	..	..	..	..
Beverly,	15,807	5	1	..	1	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	4	1	..	1	..	..	..	..
Adams,	14,745	2	1	1	..	1	..	..	..
Attleborough,	14,561	4	..	..	1	..	..	..	..
Hyde Park,	14,500	8	3	3	2	2	..	1	..
Newburyport,	14,478	7	2	2	..	1	..	..	..
Woburn,	14,315	7	3	..	4	..	..	..	..
Melrose,	13,819	2	..	1	..	1	..	..	..
Westfield,	13,809	4	2	1	1	1	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	2	0	..	..	..	..	..	..
Revere,	13,609	2	..	..	..	..	..	..	..
Framingham,	12,974	15	3	1	3	1	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	3	1	1	..	1	..	..	..
Southbridge,	11,716	3	..	1	1	1	..	..	..
Watertown,	11,575	1	0	..	..	..	..	..	..
Weymouth,	11,350	3	0	1	1	1	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Typhoid Fever.
Total of reporting towns,	2,199,420	724	197	124	119	76	8	12	5

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 43 Cities and Larger Towns of Massachusetts.

One hundred and twenty-four deaths were reported from the principal infectious diseases: measles, 8; scarlet fever, 3; cerebro-spinal meningitis, 6; diphtheria and croup, 8; typhoid fever, 5; diarrhœal diseases, 12; erysipelas, 3; puerperal fever, 1; whooping-cough, 2.

No deaths were reported from malarial fever, small-pox or influenza.

There were 76 deaths from consumption, acute lung diseases, 124, still-births, 44.

From measles: Boston, 1; Springfield, 2; Somerville, 1; Brockton, 3; Quincy, 1. From scarlet fever: Boston, 1; Springfield, 2. From cerebro-spinal meningitis: Boston, 1; Worcester, 2; Lawrence, Newton and Chicopee, 1 each. From diphtheria and croup: Boston, 3; Cambridge, Lynn, New Bedford, Chelsea and Taunton, 1 each. From whooping-cough: Boston, 1; Newburyport, 1. From erysipelas: Boston, 3. From typhoid fever: Lowell, 2; Cambridge, Somerville and North Adams, 1 each.

Deaths under five years of age numbered 197, as compared with 175 for the preceding week.

Deaths from the principal infectious diseases numbered 124, as compared with 116 for the preceding week.

The death rates for the week were: Boston, 19.02; Worcester, 13.28; Fall River, 20.91; Lowell, 15.94; Cambridge, 8.75; Lynn, 21.82; Lawrence, 15.09; Springfield, 18.05; Somerville, 15.51; New Bedford, 15.85; Holyoke, 14.40; Brockton, 14.50; Newton, 11.90; Haverhill, 10.65; Malden, 19.55; Salem, 23.76; Chelsea, 21.37; Fitchburg, ——; Taunton, 16.54; Everett, 24.09; No. Adams, 12.47; Quincy, 7.76; Gloucester, ——; Waltham, 16.12; Brookline, 13.23; Pittsfield, 15.91; Medford, 9.47; Chicopee, 28.76; Northampton, 30.70; Beverly, 16.45; Leominster, ——; Clinton, 13.25; Adams, 7.14; Attleborough, 14.28; Hyde Park, 28.69; Newburyport, 25.14; Woburn, 25.42; Melrose, 7.52; Westfield, 15.06; Milford, ——; Marlborough, 7.64; Revere, 7.64; Framingham, 60.12; Peabody, ——; Gardner, 12.65; Southbridge, 13.31; Watertown, 4.49; Weymouth, 13.74; Plymouth, ——.

The total death rate for the week was 17.11, as compared with 18.09 and 17.19 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending April 2, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	92	Typhoid fever,	20
Diphtheria and croup,	115	Measles,	469
Small-pox,	0		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, April 2, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, Mar. 27,	30.05	36	38	34	53	76	64	N. W.	E.	13	5	O.	O.		0.00
Monday, 28,	30.16	34	37	30	76	81	78	N.	S. E.	9	12	O.	O.		T
Tuesday, 29,	30.28	34	43	26	50	57	54	N. W.	S.	14	10	C.	C.		0.00
Wednesday, 30,	30.42	41	50	32	59	48	54	S. W.	S.	2	10	O.	C.		0.00
Thursday, 31,	30.36	36	40	33	78	95	86	S. E.	E.	4	10	O.	N.		0.07
Friday, April 1,	30.06	39	42	36	87	96	92	E.	W.	19	9	O.	O.		1.15
Saturday, 2,	29.74	49	54	44	64	74	69	S. W.	W.	11	20	C.	C.		0.00
Week,	30.15		43	34			71								1.22

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, April 9, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 15.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending April 9, 1904.

Deaths reported to the State Board of Health in 43 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Erysipelas.	Typhoid Fever.
Boston,	617,950	223	52	40	39	27	4	3	1
Worcester,	136,925	45	14	2	9	..	1	..	..
Fall River,	119,349	36	14	10	5	4	1	..	..
Lowell,	104,402	33	14	4	6	4	..	..	..
Cambridge,	100,998	28	4	5	6	5	..	..	..
Lynn,	73,875	22	5	1	1	1	..	..	..
Lawrence,	72,348	16	5	4	2	3	..	..	..
Springfield,	72,020	19	2	5	4	4	..	1	..
Somerville,	70,413	27	5	6	7	2	1	1	..
New Bedford,	68,863	32	12	6	7	3	..	1	..
Holyoke,	50,538	16	8	..	1	..	..	..	..
Brockton,	46,601	20	7	6	..	2	1	..	..
Newton,	39,310	6	..	1	1	1	..	..	..
Haverhill,	39,061	23	2	2	2	2	..	..	..
Malden,	37,205	7	1	..	3	..	..	..	..
Salem,	37,188	20	6	3	6	1	1	..	1
Chelsea,	36,499	16	2	..	2	..	..	..	..
Fitchburg,	36,335	14	1	2	3	2	..	..	..
Taunton,	34,577	16	2	3	7	2	..	..	1
Everett,	30,209	7	4	1	..	1	..	..	..
North Adams,	29,201	6	0	2	1	1	..	..	1
Quincy,	26,798	10	3	1	2	1	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	5	3	1	1	1	..	..	..
Brookline,	23,576	5	..	..	1	..	..	..	..
Pittsfield,	22,870	12	2	2	2	..	1	1	..
Medford,	21,956	12	1	..	4	..	..	..	..
Chicopee,	21,692	12	6	4	..	2	1	..	..
Northampton,	20,314	9	1	1	1	1	..	..	..
Beverly,	15,807	4	1	..	2	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	5	..	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	4	1	..	..	..	..	..	..
Hyde Park,	14,500	5	2	2	1	1	..	..	..
Newburyport,	14,478	4	1	..	..	..	..	..	..
Woburn,	14,315	2	..	..	..	..	..	..	..
Melrose,	13,819	9	1	..	3	..	..	..	..
Westfield,	13,809	3	1	1	1	1	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	4	3	1	1	1	..	..	..
Revere,	13,609	2	..	..	..	..	..	..	..
Framingham,	12,974	0	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	4	2	..	1	..	..	..	..
Southbridge,	11,716	3	2	2	..	1	..	..	..
Watertown,	11,575	0	..	..	..	..	..	..	..
Weymouth,	11,350	5	1	..	1	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Erysipelas.	Typhoid Fever.
Total of reporting towns,	2,221,010	751	191	118	133	74	11	7	4

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 43 Cities and Larger Towns of Massachusetts.

One hundred and eighteen deaths were reported from the principal infectious diseases: measles, 3; scarlet fever, 2; cerebro-spinal meningitis, 6; diphtheria and croup, 11; typhoid fever, 4; diarrhœal diseases, 11; erysipelas, 7.

No deaths were reported from malarial fever, puerperal fever, whooping-cough, small-pox or influenza.

There were 74 deaths from consumption, acute lung diseases, 133, still-births, 49.

From measles: Boston, 1; Brockton, 2. From scarlet fever: Boston, 1; Chicopee, 1. From cerebro-spinal meningitis: Somerville, 2; Boston, Worcester, Brockton and Southbridge, 1 each. From diphtheria and croup: Boston, 4; Worcester, Fall River, Somerville, Brockton, Salem, Pittsfield and Chicopee, 1 each. From erysipelas: Boston, 3; New Bedford, Springfield, Somerville and Pittsfield, 1 each. From typhoid fever: Boston, Salem, Taunton and North Adams, 1 each.

Deaths under five years of age numbered 191, as compared with 197 for the preceding week.

Deaths from the principal infectious diseases numbered 118, as compared with 124 for the preceding week.

The death rates for the week were: Boston, 18.76; Worcester, 17.08; Fall River, 15.68; Lowell, 16.44; Cambridge, 14.41; Lynn, 15.48; Lawrence, 11.50; Springfield, 13.72; Somerville, 19.94; New Bedford, 24.16; Holyoke, 16.46; Brockton, 22.32; Newton, 7.94; Haverhill, 30.61; Malden, 9.78; Salem, 27.96; Chelsea, 22.80; Fitchburg, 20.03; Taunton, 24.06; Everett, 12.05; No. Adams, 10.68; Quincy, 19.40; Gloucester, ——; Waltham, 10.07; Brookline, 11.02; Pittsfield, 27.29; Medford, 28.41; Chicopee, 28.76; Northampton, 23.03; Beverly, 13.16; Leominster, ——; Clinton, 16.56; Adams, ——; Attleborough, 14.28; Hyde Park, 17.93; Newburyport, 14.37; Woburn, 7.26; Melrose, 33.87; Westfield, 11.29; Milford, ——; Marlborough, 15.28; Revere, 7.64; Framingham, ——; Peabody, ——; Gardner, 16.87; Southbridge, 13.31; Watertown, ——; Weymouth, 22.90; Plymouth, ——.

The total death rate for the week was 17.35, as compared with 17.11 and 18.09 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending April 9, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	97	Typhoid fever,	17
Diphtheria and croup,	121	Measles,	458
Small-pox,	1		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, April 9, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 3,	29.94	36	43	29	49	46	48	N. W.	N. W.	18	12	C.	F.		0.00
Monday, 4,	30.24	39	52	26	36	38	37	N. W.	W.	9	12	C.	C.		0.00
Tuesday, 5,	30.15	50	64	37	38	32	35	N. W.	N. W.	12	6	C.	C.		0.00
Wednesday, 6,	30.16	46	50	42	42	78	60	N. E.	E.	7	4	C.	O.		0.00
Thursday, 7,	30.04	48	55	40	81	88	84	E.	S. E.	4	2	R.	F.		0.13
Friday, 8,	30.20	47	54	40	67	89	78	N. W.	E.	3	11	C.	O.		0.00
Saturday, 9,	29.86	42	44	39	92	98	95	N.	N. E.	14	8	O.	R.		0.59
Week,	30.08		52	36			62								0.72

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of March, 1904: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	216	337	553	Canned Goods,	2	1	3
Butter,	17	. .	17	Honey,	5	1	6
Cheese,	4	. .	4	Tea,	9	. .	9
Lard,	3	. .	3	Coffee,	10	. .	10
Olive Oil,	. .	. .	. .	Cocoa,	1	. .	1
Vinegar,	1	. .	1	Lemon Extract,	4	4	8
Spices,	166	7	173	Vanilla Extract,	8	. .	8
Cream of Tartar,	35	1	36	Almond Extract,	20	4	24
Molasses,	. .	. .	. . .	Miscellaneous,	16	2	18
Condensed Milk,	3	. .	3	Drugs,	37	36	73
Maple Sugar,	3	1	4				
Maple Syrup,	4	. .	4				
				Totals,	564	394	958

Percentage of adulteration, 41.12. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 60.94 per cent., while the percentage of articles of food was 6.6 per per cent.

Three complaints were entered in the courts for violation of the laws relative to the inspection of Food and Drugs, as follows: —

No.	Date of Trial.	Name of Defendant.	Place.	Character of Article Sold.	Result of Trial.
1	February 25,	John Homer,	Newburyport,	Tinct. Iodine,	Conviction.
2	March 12,	Ciro Scipione,	Watertown,	Milk solids 10.80,	Conviction.
3	March 12,	Joseph W. Osgood,	Boston,	Hamburg Steak,	Conviction.

Total amount of fines, $165.00.

The samples of drugs found to be adulterated were Aqua Ammonia Fort, Calx Chlorata, Capsicum, Oleum Limonis, Spiritus Camphoræ, Sulphur Lotum, Sulphur Præcipitatum, Syrupus and Tinctura Iodi.

Cities and towns from which samples of food were collected were Boston, Cambridge, Somerville, Holyoke, Newton, North Adams, Gloucester, Waltham, Chicopee, Adams, Westfield, Marlborough, Framingham, Natick, Amherst, Whitman, Arlington, Lowell, Woburn, Medford, Winchester, Malden, Everett, Chelsea, Salem, Newburyport, Worcester, Fall River, Attleborough, Lawrence, Stoughton, Taunton, Milford, Brookline, Brookfield, Revere, Melrose, New Bedford and Fall River.

Commonwealth of Massachusetts.—State Board of Health.

Publication of Results of Analyses of Certain Articles of Food, required by Chapter 272, of the Acts of 1902, for the Month of March, 1904.

Number of Sample.	Date of Collection.	City or Town where Purchased.	Character of Sample.	Brand or Name of Manufacturer, Wholesaler or Producer.	Results of Analyses.
49855	March 22.	Fall River.	Canned Peas.	"Petit Pois Moyens", Imported for Haskell, Adams & Co., Boston.	Greened with copper. Not labelled.
2923 M	March 18.	Natick.	Honey.	Wild Rose California Honey, San Diego Honey Co., San Francisco, Cal.	Admixture of cane sugar and commercial glucose.
330	March 11.	Brockton.	Cider.	Russet Cider, Copeland Farm Cider Mills, Milton, Mass.	Preserved with benzoic acid. No formula.
49856	March 22.	Fall River.	Cocoa, "Warranted Pure".	Superior Lunch Cocoa, Manufactured in America.	Large admixture of sugar. Package not properly labelled.
2607 M	March 5.	Arlington.	Lemon Extract.	Elmo Extract Co., Somerville.	Contains 1.4% lemon oil. Not properly labelled.
2581 M	March 4.	Charlestown.	Lemon Extract.	Eagle Extract Co., Farnsworth St., Boston.	Contains 1.8% lemon oil. Not properly labelled.
2887 M	March 17.	Roxbury.	Lemon Extract.	The Favorite, Dime Brand, Highland Extract Co., Boston.	Contains the merest trace only of oil. Not properly labelled.
49500	February 8.	Boston.	Chlorinated Lime.	Joseph Brookman & Sons, 149 Huron St., Chicago, Ill.	67% of required strength.
49825	March 19.	Boston.	Chlorinated Lime.	"Acme." Acme White Lead & Color Works, Detroit, Mich.	3% of required strength. Largely calcium carbonate.
49900	March 25.	Somerville.	Chlorinated Lime.	"Hudson Chloride of Lime", A. Mendelson & Sons, Albany, N. Y.	68% of required strength.

The following articles have been examined by the Analyst of the Board, and all were found to contain cocaine, an insidious and dangerous poison, as an active ingredient.

Dr. Birney's Catarrh Powder.

Instant Cold Relief. Taunton, Mass.

Dr. N. Tucker's Specific for Asthma. Mt. Giliad, Ohio.

Azmasyde. The Asthma Remedy & Mfg. Co., Boston.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, April 16, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 16.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending April 16, 1904.

Deaths reported to the State Board of Health in 39 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Erysipelas.	Measles.
Boston,	617,950	204	58	45	46	27	4	5	4
Worcester,	136,925	36	14	4	5	2	..	..	..
Fall River,	119,349	51	19	8	14	1	1	..	..
Lowell,	104,402	29	6	3	2	3	..	..	..
Cambridge,	100,998	30	8	7	5	5	1	..	..
Lynn,	73,875	13	2	..	..	..	..	..	..
Lawrence,	72,348	24	8	5	9	3	..	1	..
Springfield,	72,020	28	5	5	4	4	..	..	..
Somerville,	70,413	12	2	1	2	1	..	..	..
New Bedford,	68,863	20	7	2	3	1	..	..	..
Holyoke,	50,538	..	..	..	..	..	..	..	..
Brockton,	46,601	14	6	3	..	1	..	..	2
Newton,	39,310	9	..	..	2	..	..	..	..
Haverhill,	39,061	7	1	1	1	1	..	..	..
Malden,	37,205	6	1	1	1	1	..	..	..
Salem,	37,188	18	6	3	..	1	1	..	..
Chelsea,	36,499	16	..	3	1	2	1	..	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	7	0	2	2	1	..	..	..
Everett,	30,209	13	4	2	..	2	..	..	..
North Adams,	29,201	8	3	3	..	2	..	..	..
Quincy,	26,798	8	2	2	1	1	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	11	1	3	1	3	..	..	..
Brookline,	23,576	..	..	..	..	..	..	..	..
Pittsfield,	22,870	..	..	..	..	..	..	..	..
Medford,	21,956	5	1	..	3	..	..	..	..
Chicopee,	21,692	7	4	3	2	1	..	1	..
Northampton,	20,314	7	2	1	1	1	..	..	..
Beverly,	15,807	5	..	1	..	1	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	4	0	..	2	..	..	..	..
Adams,	14,745	3	0	..	..	..	..	..	..
Attleborough,	14,561	3	..	..	..	..	..	..	..
Hyde Park,	14,500	6	1	..	2	..	..	..	..
Newburyport,	14,478	6	3	1	1	..	1	..	..
Woburn,	14,315	5	..	..	..	..	..	..	..
Melrose,	13,819	3	..	..	1	..	..	..	..
Westfield,	13,809	6	3	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	4	0	..	1	..	..	..	..
Revere,	13,609	3	1	..	1	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	4	4	2	1	..	..	..	..
Southbridge,	11,716	4	2	3	..	1	..	..	..
Watertown,	11,575	1	1	..	..	..	..	..	..
Weymouth,	11,350	1	1	1	..	1	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Erysipelas.	Measles.
Total of reporting towns,	2,089,462	641	176	115	114	67	9	7	6

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 39 Cities and Larger Towns of Massachusetts.

One hundred and fifteen deaths were reported from the principal infectious diseases: measles, 6; scarlet fever, 3; cerebro-spinal meningitis, 4; diphtheria and croup, 9; typhoid fever, 1; diarrhœal diseases, 13; erysipelas, 7; whooping-cough, 4; influenza, 1.

No deaths were reported from malarial fever, puerperal fever or small-pox.

There were 67 deaths from consumption, acute lung diseases, 114, still-births, 44.

From measles: Boston, 4; Brockton, 2. From scarlet fever: Cambridge, Taunton and Quincy, 1 each. From cerebro-spinal meningitis: Boston, 1; Worcester, 1; Southbridge, 2. From diphtheria and croup: Boston, 4; Fall River, Cambridge, Salem, Chelsea and Newburyport, 1 each. From whooping-cough: Boston, Springfield, North Adams and Gardner, 1 each. From erysipelas: Boston, 5; Lawrence, 1; Chicopee, 1. From typhoid fever: Salem, 1. From influenza: Gardner, 1.

Deaths under five years of age numbered 176, as compared with 191 for the preceding week.

Deaths from the principal infectious diseases numbered 115, as compared with 118 for the preceding week.

The death rates for the week were: Boston, 17.16; Worcester, 13.67; Fall River, 22.22; Lowell, 14.44; Cambridge, 15.44; Lynn, 9.15; Lawrence, 17.25; Springfield, 20.21; Somerville, 8.86; New Bedford, 15.10; Holyoke, ——; Brockton, 15.62; Newton, 11.91; Haverhill, 9.32; Malden, 8.38; Salem, 25.06; Chelsea, 22.80; Fitchburg, ——; Taunton, 10.53; Everett, 22.37; No. Adams, 14.25; Quincy, 15.52; Gloucester, ——; Waltham, 22.16; Brookline, ——; Pittsfield, ——; Medford, 11.84; Chicopee, 16.78; Northampton, 17.91; Beverly, 16.45; Leominster, ——; Clinton, 13.25; Adams, 10.70; Attleborough, 10.70; Hyde Park, 21.52; Newburyport, 21.55; Woburn, 18.16; Melrose, 11.29; Westfield, 22.59; Milford, ——; Marlborough, 15.28; Revere, 11.46; Framingham, ——; Peabody, ——; Gardner, 16.87; Southbridge, 17.75; Watertown, 4.49; Weymouth, 4.58; Plymouth, ——.

The total death rate for the week was 15.95, as compared with 17.35 and 17.11 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending April 16, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	113	Typhoid fever,	20
Diphtheria and croup,	124	Measles,	390
Small-pox,	0		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, April 16, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 10,	29.61	54	66	42	94	50		72	S. W.	S. W.	10	6		O.	C.			0.78
Monday, 11,	29.76	50	55	44	68	60		64	S. W.	W.	4	8		O.	C.			0.06
Tuesday, 12,	29.74	48	57	40	89	65		77	S. E.	S. W.	13	11		R.	C.			0.30
Wednesday, 13,	29.88	40	48	33	52	41		46	W.	N. W.	16	12		C.	C.			0.00
Thursday, 14,	29.99	36	42	30	49	36		42	S. W.	W.	6	12		C.	C.			T
Friday, 15,	30.06	42	51	32	48	57		52	W.	S.	12	9		C.	O.			0.00
Saturday, 16,	29.79	35	40	30	100	58		79	N.	N. W.	12	7		N.	C.			0.25
Week,	29.83		51	36				62										1.39

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

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MORTALITY OF MASSACHUSETTS

For the Week ending April 23, 1904.

Deaths reported to the State Board of Health in 40 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

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CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from: Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Erysipelas.	Cerebro-spinal Meningitis.
Boston,	617,950	233	71	44	46	27	6	1	2
Worcester,	136,925	40	10	3	8	3	..	..	..
Fall River,	119,349	36	14	9	7	5	..	..	..
Lowell,	104,402	28	11	4	5	1	1	..	1
Cambridge,	100,998	27	6	7	5	6	1	..	..
Lynn,	73,875	23	6	3	..	2	..	..	..
Lawrence,	72,348	15	5	8	1	2	1	..	..
Springfield,	72,020	16	2	4	..	2	..	..	..
Somerville,	70,413	26	5	9	4	6	..	..	2
New Bedford,	68,863	34	9	8	4	8	..	..	..
Holyoke,	50,538	19	3	4	2	4	..	..	..
Brockton,	46,601	13	6	2	..	..	..	..	2
Newton,	39,310	9	1	2	..	2	..	..	..
Haverhill,	39,061	8	..	2	3	2	..	..	..
Malden,	37,205	8	1	1	2	..	..	..	..
Salem,	37,188	7	3	..	..	..	..	..	..
Chelsea,	36,499	16	2	1	4	1	..	..	..
Fitchburg,	36,335	18	5	2	6	1	..	..	..
Taunton,	34,577	11	0	1	1	1	..	..	..
Everett,	30,209	7	2	3	..	2	1	..	..
North Adams,	29,201	9	3	2	2	1	1	..	..
Quincy,	26,798	9	3	1	3	1	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	5	..	..	1	..	..	..	..
Brookline,	23,576	4	..	..	..	..	..	..	..
Pittsfield,	22,870	9	1	1	1	1	..	..	..
Medford,	21,956	4	1	1	..	1	..	..	..
Chicopee,	21,692	7	1	3	..	1	..	1	..
Northampton,	20,314	..	..	..	..	..	..	..	..
Beverly,	15,807	2	..	1	..	1	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	5	0	..	2	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	2	1	..	1	..	..	..	..
Hyde Park,	14,500	5	2	1	3	..	..	..	..
Newburyport,	14,478	3	1	2	..	..	..	1	..
Woburn,	14,315	8	3	..	2	..	..	1	..
Melrose,	13,819	8	2	..	3	..	..	..	..
Westfield,	13,809	3	1	..	1	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	7	1	2	..	1	..	..	..
Revere,	13,609	4	1	1	2	1	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	4	3	1	1	1	..	..	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	7	1	1	1	1	..	..	..
Weymouth,	11,350	7	1	3	2	2	..	..	1
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Erysipelas.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,176,006	706	188	137	123	87	11	4	8

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 40 Cities and Larger Towns of Massachusetts.

One hundred and thirty-seven deaths were reported from the principal infectious diseases: measles, 2; scarlet fever, 2; cerebro-spinal meningitis, 8; diphtheria and croup, 11; typhoid fever, 3; diarrhœal diseases, 17; erysipelas, 4; whooping-cough, 2; influenza, 2; puerperal fever, 1.

No deaths were reported from malarial fever or small-pox.

There were 87 deaths from consumption, acute lung diseases, 123, still-births, 40.

From measles: Boston, 2. From scarlet fever: Springfield, 1; Chicopee, 1. From cerebro-spinal meningitis: Boston, 2; Lowell, 1; Somerville, 2; Brockton, 2; Weymouth, 1. From diphtheria and croup: Boston, 6; Lowell, Cambridge, Lawrence, Everett and North Adams, 1 each. From whooping-cough: Springfield and Fitchburg, 1 each. From erysipelas: Boston, Chicopee, Newburyport and Woburn, 1 each. From typhoid fever: Lynn, Malden and Medford, 1 each.

Deaths under five years of age numbered 188, as compared with 176 for the preceding week.

Deaths from the principal infectious diseases numbered 137, as compared with 115 for the preceding week.

The death rates for the week were: Boston, 19.60; Worcester, 15.19; Fall River, 15.68; Lowell, 13.95; Cambridge, 13.92; Lynn, 16.19; Lawrence, 10.78; Springfield, 11.55; Somerville, 19.20; New Bedford, 25.67; Holyoke, 19.55; Brockton, 14.50; Newton, 11.90; Haverhill, 10.64; Malden, 11.17; Salem, 9.78; Chelsea, 22.80; Fitchburg, 25.75; Taunton, 16.54; Everett, 12.05; No. Adams, 16.03; Quincy, 17.46; Gloucester, ——; Waltham, 10.07; Brookline, 8.82; Pittsfield, 20.46; Medford, 9.47; Chicopee, 16.78; Northampton, ——; Beverly, 6.58; Leominster, ——; Clinton, 16.56; Adams, ——; Attleborough, 7.14; Hyde Park, 17.93; Newburyport, 10.77; Woburn, 29.05; Melrose, 30.10; Westfield, 11.29; Milford, ——; Marlborough, 26.75; Revere, 15.28; Framingham, ——; Peabody, ——; Gardner, 16.87; Southbridge, ——; Watertown, 31.44; Weymouth, 32.06; Plymouth, ——.

The total death rate for the week was 16.87, as compared with 15.95 and 17.35 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending April 23, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	86	Typhoid fever,	27
Diphtheria and croup,	102	Measles,	405
Small-pox,	0	Leprosy,	1

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

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DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, April 23, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 17,	30.19	38	49	28	51	46		48	W.	S.	14	4		C.	C.			0.00
Monday, 18,	30.00	46	56	35	63	63		63	S. W.	S.	14	9		C.	C.			0.00
Tuesday, 19,	29.76	44	60	28	54	96		75	W.	W.	6	14		C.	R.			T
Wednesday, 20,	29.69	32	38	26	89	95		92	W.	N. W.	17	9		F.	N.			0.44
Thursday, 21,	30.09	44	53	34	54	44		49	N. W.	N. W.	15	17		C.	C.			T
Friday, 22,	30.46	43	50	36	63	40		52	N. W.	S.	8	8		C.	C.			0.00
Saturday, 23,	30.44	46	56	37	33	44		38	W.	S.	5	20		C.	C.			0.00
Week,	30.09		52	32				60										0.44

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

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Boston,	617,950	255	80	57	39	32	5	4	4
Worcester,	136,925	27	10	6	5	2	1	..	..
Fall River,	119,349	37	18	8	6	3	..	..	..
Lowell,	104,402	31	12	5	10	4	..	..	..
Cambridge,	100,998	24	5	5	3	5	..	..	..
Lynn,	73,875	32	3	4	..	4	..	..	..
Lawrence,	72,348	..	..	..	..	..	..	..	..
Springfield,	72,020	19	5	5	2	3	..	..	..
Somerville,	70,413	..	..	..	..	..	..	..	..
New Bedford,	68,863	17	4	1	2	1	..	..	..
Holyoke,	50,538	21	6	2	4	2	..	..	..
Brockton,	46,601	14	3	2	..	1	..	..	..
Newton,	39,310	7	2	..	3	..	..	..	..
Haverhill,	39,061	10	5	1	3	1	..	..	..
Malden,	37,205	9	2	3	1	2	..	..	1
Salem,	37,188	8	2	..	..	..	..	..	..
Chelsea,	36,499	16	3	1	3	..	..	..	..
Fitchburg,	36,335	17	7	2	3	1	..	..	..
Taunton,	34,577	17	5	3	3	2	..	1	..
Everett,	30,209	9	2	1	..	1	..	..	..
North Adams,	29,201	8	3	..	3	..	..	..	..
Quincy,	26,798	8	1	1	2	1	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	6	..	..	1	..	..	..	..
Brookline,	23,576	0	..	..	..	..	..	..	..
Pittsfield,	22,870	11	2	2	3	1	1	..	..
Medford,	21,956	6	..	..	1	..	..	..	..
Chicopee,	21,692	4	1	2	..	..	..	..	1
Northampton,	20,314	7	3	1	..	1	..	..	2
Beverly,	15,807	3	..	3	..	1	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	5	1	..	1	..	..	..	..
Adams,	14,745	3	0	..	..	..	..	..	..
Attleborough,	14,561	2	..	..	..	..	..	..	..
Hyde Park,	14,500	2	0	..	..	..	..	..	..
Newburyport,	14,478	4	1	..	1	..	..	..	..
Woburn,	14,315	6	..	1	..	1	..	..	..
Melrose,	13,819	2	..	..	1	..	..	..	..
Westfield,	13,809	6	1	1	..	1	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	2	1	..	..	..	..	..	..
Revere,	13,609	2	..	..	..	..	..	..	..
Framingham,	12,974	8	2	1	..	1	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	1	..	..	..	..	..	..	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	2	1	1	..	1	..	..	..
Weymouth,	11,350	4	1	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Erysipelas.	Measles.
Total of reporting towns,	2,081,278	672	192	119	100	72	7	5	8

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 41 Cities and Larger Towns of Massachusetts.

One hundred and nineteen deaths were reported from the principal infectious diseases: measles, 8; scarlet fever, 1; cerebro-spinal meningitis, 2; diphtheria and croup, 7; typhoid fever, 5; diarrhœal diseases, 15; erysipelas, 5; whooping-cough, 3; puerperal fever, 1.

No deaths were reported from malarial fever, small-pox or influenza.

There were 72 deaths from consumption, acute lung diseases, 100, still-births, 47.

From measles: Boston, 4; Northampton, 2; Malden, 1; Chicopee, 1. From scarlet fever: Chicopee, 1. From cerebro-spinal meningitis: Worcester, 1; Chelsea, 1. From diphtheria and croup: Boston, 5; Worcester, 1; Pittsfield, 1. From whooping-cough: Springfield, 2; Fitchburg, 1. From erysipelas: Boston, 4; Taunton, 1. From typhoid fever: Boston, 3; Fall River, 1; Brockton, 1.

Deaths under five years of age numbered 192, as compared with 188 for the preceding week.

Deaths from the principal infectious diseases numbered 119, as compared with 137 for the preceding week.

The death rates for the week were: Boston, 21.45; Worcester, 10.25; Fall River, 17.32; Lowell, 15.44; Cambridge, 12.35; Lynn, 22.52; Lawrence, ——; Springfield, 13.72; Somerville, ——; New Bedford, 12.83; Holyoke, 21.61; Brockton, 15.62; Newton, 9.26; Haverhill, 13.31; Malden, 12.57; Salem, 11.18; Chelsea, 22.80; Fitchburg, 24.32; Taunton, 25.56; Everett, 15.49; No. Adams, 14.25; Quincy, 15.52; Gloucester, ——; Waltham, 12.09; Brookline, ——; Pittsfield, 25.00; Medford, 14.21; Chicopee, 9.59; Northampton, 17.91; Beverly, 9.87; Leominster, ——; Clinton, 16.56; Adams, 10.70; Attleborough, 7.14; Hyde Park, 7.17; Newburyport, 14.36; Woburn, 21.79; Melrose, 7.52; Westfield, 22.59; Milford, ——; Marlborough, 7.64; Revere, 7.64; Framingham, 32.06; Peabody, ——; Gardner, 4.22; Southbridge, ——; Watertown, 8.98; Weymouth, 18.32; Plymouth, ——.

The total death rate for the week was 16.79, as compared with 16.87 and 15.95 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending April 30, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	80	Typhoid fever,	38
Diphtheria and croup,	114	Measles,	457
Small-pox,	0		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, April 30, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 24,	30.18	50	63	37	58	60		59	S. W.	S.	6	16		C.	F.			0.00
Monday, 25,	29.73	57	68	46	81	54		66	S. W.	W.	12	7		O.	C.			0.05
Tuesday, 26,	29.92	50	54	45	81	74		78	N.	S. E.	10	8		O.	O.			0.00
Wednesday, 27,	30.17	42	45	40	85	100		92	N. E.	N. E.	15	27		R.	R.			1.15
Thursday, 28,	30.06	44	47	40	100	100		100	N. E.	E.	20	14		R.	O.			2.97
Friday, 29,	29.80	48	52	45	100	100		100	N.	N. E.	9	6		R.	R.			1.09
Saturday, 30,	29.70	58	70	47	97	78		86	W.	W.	8	5		R.	C.			0.18
Week,	29.94		57	43				83										5.44

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, May 7, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 19.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending May 7, 1904.

Deaths reported to the State Board of Health in 43 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Erysipelas.	Measles.
Boston,	617,950	239	66	48	40	31	3	1	3
Worcester,	136,925	31	14	6	4	3	..	1	1
Fall River,	119,349	43	15	9	7	4	1	..	..
Lowell,	104,402	35	11	5	6	4	..	..	1
Cambridge,	100,998	25	7	4	4	2	..	2	..
Lynn,	73,875	15	1	2	..	..	..	..	..
Lawrence,	72,348	25	7	7	3	5	..	..	..
Springfield,	72,020	19	3	3	1	2	..	..	..
Somerville,	70,413	28	8	5	2	3	2	..	..
New Bedford,	68,863	22	5	3	1	2	..	1	..
Holyoke,	50,538	15	6	2	6	2	..	..	..
Brockton,	46,601	14	5	3	..	..	..	..	2
Newton,	39,310	8	3	..	1	..	..	..	..
Haverhill,	39,061	11	1	1	4	1	..	..	..
Malden,	37,205	11	3	2	..	2	..	..	..
Salem,	37,188	16	5	1	..	1	..	..	..
Chelsea,	36,499	18	2	1	3	1	..	..	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	14	5	2	4	1	..	1	..
Everett,	30,209	7	1	1	..	1	..	..	..
North Adams,	29,201	10	4	2	1	2	..	..	..
Quincy,	26,798	5	3	1	..	1	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	4	..	..	..	..	..	..	..
Brookline,	23,576	5	2	1	..	..	..	..	..
Pittsfield,	22,870	10	..	4	1	4	..	..	..
Medford,	21,956	9	1	..	1	..	..	..	..
Chicopee,	21,692	6	1	..	2	..	..	..	..
Northampton,	20,314	5	1	..	..	..	..	..	..
Beverly,	15,807	5	1	..	1	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	7	2	1	..	1	..	..	..
Adams,	14,745	3	1	2	..	1	..	..	..
Attleborough,	14,561	2	..	..	..	..	..	..	..
Hyde Park,	14,500	6	3	2	..	1	..	..	..
Newburyport,	14,478	7	0	..	1	..	..	..	..
Woburn,	14,315	6	..	1	..	..	..	..	..
Melrose,	13,819	4	1	2	..	2	..	..	..
Westfield,	13,809	3	..	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	3	0	..	..	..	..	..	..
Revere,	13,609	4	..	2	..	2	..	..	..
Framingham,	12,974	5	..	2	..	2	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	10	7	2	4	1	..	..	..
Southbridge,	11,716	1	1	1	..	1	..	..	..
Watertown,	11,575	2	0	1	..	1	..	..	..
Weymouth,	11,350	2	2	..	1	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Erysipelas.	Measles.
Total of reporting towns,	2,199,420	720	198	129	98	84	6	6	7

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having sufferred a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,033.

Deaths from Prevalent Diseases in 43 Cities and Larger Towns of Massachusetts.

One hundred and twenty-nine deaths were reported from the principal infectious diseases: measles, 7; scarlet fever, 3; cerebro-spinal meningitis, 4; diphtheria and croup, 6; typhoid fever, 3; diarrhœal diseases, 14; erysipelas, 6; whooping-cough, 1; influenza, 1.

No deaths were reported from malarial fever, small-pox or puerperal fever,.

There were 84 deaths from consumption, acute lung diseases, 98, still-births, 61.

From measles: Boston, 3; Worcester, 1; Lowell, 1; Brockton, 2. From scarlet fever: Boston, Springfield and Brookline, 1 each. From cerebro-spinal meningitis: Boston, Brockton, Adams and Gardner, 1 each. From diphtheria and croup: Boston, 3; Somerville, 2; Fall River, 1. From whooping-cough: Worcester, 1. From erysipelas: Boston, Worcester, New Bedford and Taunton, 1 each; Cambridge, 2. From typhoid fever: Boston, 1; Lynn, 2.

Deaths under five years of age numbered 198, as compared with 192 for the preceding week.

Deaths from the principal infectious diseases numbered 129, as compared with 119 for the preceding week.

The death rates for the week were: Boston, 20.11; Worcester, 11.77; Fall River, 18.73; Lowell, 17.43; Cambridge, 12.87; Lynn, 10.56; Lawrence, 17.97; Springfield, 13.72; Somerville, 20.68; New Bedford, 16.61; Holyoke, 15.43; Brockton, 15.62; Newton, 10.58; Haverhill, 14.64; Malden, 15.37; Salem, 22.37; Chelsea, 25.65; Fitchburg, ——; Taunton, 21.05; Everett, 12.04; No. Adams, 17.81; Quincy, 9.70; Gloucester, ——; Waltham, 8.06; Brookline, 11.02; Pittsfield, 22.74; Medford, 21.31; Chicopee, 14.38; Northampton, 12.79; Beverly, 16.45; Leominster, ——; Clinton, 23.19; Adams, 10.70; Attleborough, 7.14; Hyde Park, 21.51; Newburyport, 25.14; Woburn, 21.79; Melrose, 15.05; Westfield, 11.29; Milford, ——; Marlborough, 11.46; Revere, 15.28; Framingham, 20.00; Peabody, ——; Gardner, 42.19; Southbridge, 4.44; Watertown, 8.98; Weymouth, 9.16; Plymouth, ——.

The total death rate for the week was 17.02, as compared with 16.79 and 16.87 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending May 7, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	79	Typhoid fever,	44
Diphtheria and croup,	93	Measles,	506
Small-pox,	1		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, May 7, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 1,	29.98	50	56	44	76	73	74	N. E.	S. E.	8	9	O.	C.		0.00
Monday, 2,	30.30	51	57	45	65	57	61	N.	S. E.	6	10	C.	C.		0.00
Tuesday, 3,	30.36	54	65	43	40	61	50	S. W.	S. W.	6	12	C.	C.		0.00
Wednesday, 4,	30.25	64	80	49	48	54	51	S. W.	S. W.	7	12	C.	C.		0.00
Thursday, 5,	30.05	69	82	56	51	44	48	W.	W.	12	9	C.	F.		0.00
Friday, 6,	30.24	56	63	50	40	41	40	E.	S.	14	11	O.	C.		0.00
Saturday, 7,	30.18	65	81	49	76	64	70	S. W.	S. W.	4	14	C.	C.		0.00
Week,	30.19		69	48			56								0.00

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, May 14, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 20.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

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Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending May 14, 1904.

Deaths reported to the State Board of Health in 41 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Erysipelas.	Measles.
Boston,	617,950	218	54	44	36	32	2	1	2
Worcester,	136,925	25	7	4	1	3	..	1	..
Fall River,	119,349	33	15	9	6	4	1	..	..
Lowell,	104,402	31	10	5	4	4	..	..	1
Cambridge,	100,998	16	6	1	4	..	1	..	..
Lynn,	73,875	24	8	4	..	1	..	1	..
Lawrence,	72,348	25	8	2	6	2	..	..	..
Springfield,	72,020	15	5	6	3	3	1	..	..
Somerville,	70,413	24	9	5	5	2	1	1	..
New Bedford,	68,863	31	12	6	6	5	..	..	..
Holyoke,	50,538	18	7	1	3	1	..	..	..
Brockton,	46,601	6	1	1	1	1	..	..	..
Newton,	39,310	10	3	1	1	1	..	..	..
Haverhill,	39,061	12	3	1	1	1	..	..	..
Malden,	37,205	7	1	..	2	..	..	..	..
Salem,	37,188	15	3	..	..	..	..	..	..
Chelsea,	36,499	7	0	1	..	..	..	..	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	..	..	..	..	..	..	..	..
Everett,	30,209	8	2	..	..	..	..	..	..
North Adams,	29,201	13	3	2	5	2	..	..	..
Quincy,	26,798	8	5	1	..	1	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	5	1	2	..	2	..	..	..
Brookline,	23,576	4	1	1	..	..	1	..	..
Pittsfield,	22,870	9	..	1	2	1	..	..	..
Medford,	21,956	1	1	..	1	..	..	..	..
Chicopee,	21,692	6	2	1	1	1	..	..	..
Northampton,	20,314	2	0	..	..	..	..	..	..
Beverly,	15,807	3	1	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	4	1	1	..	..	..	..	..
Adams,	14,745	4	1	1	1	1	..	..	..
Attleborough,	14,561	3	1	..	..	..	..	..	..
Hyde Park,	14,500	6	1	1	1	1	..	..	..
Newburyport,	14,478	5	0	..	1	..	..	..	..
Woburn,	14,315	6	..	..	..	..	..	..	..
Melrose,	13,819	1	..	..	..	..	..	..	..
Westfield,	13,809	6	..	2	1	2	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	8	1	2	1	2	..	..	..
Revere,	13,609	2	1	1	..	..	..	..	..
Framingham,	12,974	2	..	1	..	1	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	6	2	2	..	2	..	..	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	1	0	1	..	..	..	..	..
Weymouth,	11,350	1	0	..	1	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infections Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Erysipelas.	Measles.
Total of reporting towns,	2,153,127	631	176	111	94	76	7	4	3

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 41 Cities and Larger Towns of Massachusetts.

One hundred and eleven deaths were reported from the principal infectious diseases: measles, 3; scarlet fever, 1; cerebro-spinal meningitis, 2; diphtheria and croup, 7; typhoid fever, 4; diarrhœal diseases, 9; erysipelas, 4; whooping-cough, 2; puerperal fever, 3.

No deaths were reported from malarial fever or small-pox.

There were 76 deaths from consumption, acute lung diseases, 94, still-births, 36.

From measles: Boston, 2; Lowell, 1. From scarlet fever: Springfield, 1. From cerebro-spinal meningitis: Lynn, 1; Somerville, 1. From diphtheria and croup: Boston, 2; Fall River, Cambridge, Springfield, Somerville and Brookline, 1 each. From whooping-cough: Boston, 1; Springfield, 1. From erysipelas: Boston, Worcester, Lynn, and Somerville, 1 each. From typhoid fever: Boston, 2; Lynn, 1; Chelsea, 1.

Deaths under five years of age numbered 176, as compared with 198 for the preceding week.

Deaths from the principal infectious diseases numbered 111, as compared with 129 for the preceding week.

The death rates for the week were: Boston, 18.34; Worcester, 9.49; Fall River, 14.37; Lowell, 15.44; Cambridge, 8.23; Lynn, 16.89; Lawrence, 17.97; Springfield, 10.83; Somerville, 17.72; New Bedford, 23.40; Holyoke, 18.52; Brockton, 6.66; Newton, 13.23; Haverhill, 15.97; Malden, 9.78; Salem, 20.97; Chelsea, 9.97; Fitchburg, ——; Taunton, ——; Everett, 13.77; No. Adams, 23.15; Quincy, 15.52; Gloucester, ——; Waltham, 10.07; Brookline, 8.82; Pittsfield, 20.46; Medford, 2.37; Chicopee, 14.38; Northampton, 5.12; Beverly, 9.67; Leominster, ——; Clinton, 13.25; Adams, 14.27; Attleborough, 10.71; Hyde Park, 21.51; Newburyport, 17.96; Woburn, 21.79; Melrose, 3.76; Westfield, 22.59; Milford, ——; Marlborough, 30.56; Revere, 7.64; Framingham, 8.00; Peabody, ——; Gardner, 25.31; Southbridge, ——; Watertown, 4.49; Weymouth, 4.58; Plymouth, ——.

The total death rate for the week was 15.25, as compared with 17.02 and 16.79 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending May 14, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	71	Typhoid fever,	47
Diphtheria and croup,	117	Measles,	509
Small-pox,	3		

(SIGNED) **S. W. ABBOTT, M.D.,**

Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, May 14, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 8,	30.02	68	78	57	66	72	69	S. W.	S.	16	12	C.	C.			0.00
Monday, . . 9,	29.76	54	59	50	97	96	96	N. E.	N. W.	14	8	R.	R.			0.91
Tuesday, . . 10,	29.89	61	72	50	82	94	88	N. W.	E.	12	8	F.	O.			0.12
Wednesday, . 11,	30.06	58	67	50	90	87	88	N.	S. E.	12	6	O.	C.			0.14
Thursday, . . 12,	30.10	58	66	51	85	65	75	N.	S. E.	11	4	O.	C.			0.00
Friday, . . 13,	30.08	58	63	53	70	88	79	E.	E.	10	4	C.	C.			0.00
Saturday, . . 14,	30.06	52	55	50	88	96	92	N. E.	N. E.	12	10	O.	O.			T
Week, . . .	30.00		66	52			84									1.17

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of April, 1904: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	349	109	458	Canned Goods,	4	. .	4
Butter,	11	. .	11	Honey,	2	. .	2
Cheese,	5	. .	5	Tea,	3	. .	3
Lard,	. .	. .	. .	Coffee,	3	1	4
Olive Oil,	. .	. .	. .	Cocoa,	. .	. .	. .
Vinegar,	4	. .	4	Confectionery,	6	. .	6
Spices,	96	6	102	Lemon Extract,	1	1	2
Cream of Tartar,	22	1	23	Vanilla Extract,	2	2	4
Molasses,	8	2	10	Miscellaneous,	7	1	8
Syrups,	. .	. .	. .	Drugs,	32	32	64
Maple Sugar,	2	1	3				
Maple Syrup,	2	. .	2				
				Totals,	559	156	715

Percentage of adulteration, 21.8. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 23.8 per cent., while the percentage of articles of food was 7.7 per per cent.

Five samples of milk were found to be colored, three with Annalto, two with analine orange.

Four complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs, as follows: —

No.	Date of Trial.	Name of Defendant.	Place.	Character of Article Sold.	Result of Trial.
1	April 27,	Richard Binnall,	Dover,	Milk,	Conviction.
2	April 28,	Sherman B. Hupper,	Sudbury,	Milk,	Conviction.
3	April 28,	Georgiana A. Haynes,	Sudbury,	Milk,	Conviction.
4	April 29,	Joseph Huot,	East Brookfield,	Milk,	Conviction.

The total amount of solids in samples of milk upon which the foregoing cases were entered, were 11.03; 10.00; 10.00; and 11 25.

Total amount of fines, $55.00.

The samples of drugs found to be adulterated were Calx Chlorata, Capsicum, Extractum Glycyrrhizæ, Ferrum, Oleum Cinnamoni, Oleum Limonis, Menthi Piperitæ, Oleum Olivæ, Sulphur Lotum, Sulphur Præcipitatum, Tinctura Iodi, and Tinctura Opii.

Cities and towns from which samples of food were collected were Boston, Cambridge, Somerville, Holyoke, Newton, Gloucester, Waltham, Natick, Arlington, Lowell, Everett, Chelsea, Salem, Worcester, Fall River, Lawrence, Brookfield, Revere, Brockton, Pittsfield, Dover, Hyde Park, North Andover, Sudbury, West Boylston, Dedham, Reading, Monson, Millis and Medway.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, May 21, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 21.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending May 21, 1904.

Deaths reported to the State Board of Health in 38 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Erysipelas.	Measles.
Boston,	617,950	203	33	47	29	31	5	1	4
Worcester,	136,925	25	12	1	4	1	..	..	..
Fall River,	119,349	28	10	12	4	2	2	..	..
Lowell,	104,402	26	9	4	2	1	..	1	..
Cambridge,	100,998	20	6	5	..	4	1	..	..
Lynn,	73,875	23	3	3	..	3	..	..	..
Lawrence,	72,348	15	4	3	1	3	..	..	..
Springfield,	72,020	19	1	1	3	1	..	..	..
Somerville,	70,413	19	3	4	..	4	..	..	..
New Bedford,	68,863	24	7	3	8	3	..	..	..
Holyoke,	50,538	12	6	2	1	1	1	..	..
Brockton,	46,601	16	2	4	1	3	..	..	..
Newton,	39,310	10	2	2	..	1	..	..	..
Haverhill,	39,061	13	0	2	2	2	..	..	..
Malden,	37,205	12	1	2	..	2	..	..	..
Salem,	37,188	7	..	1	1	1	..	..	..
Chelsea,	36,499	13	3	2	2	2	..	..	..
Fitchburg,	36,335	8	1	..	1	..	..	..	..
Taunton,	34,577	..	..	..	..	..	..	..	..
Everett,	30,209	5	..	..	..	..	..	..	..
North Adams,	29,201	9	3	3	3	2	1	..	..
Quincy,	26,798	5	2	..	4	..	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	4	1	1	..	1	..	..	..
Brookline,	23,576	9	..	3	..	3	..	..	..
Pittsfield,	22,870	10	2	3	1	3	..	..	..
Medford,	21,956	3	..	1	1	..	..	..	..
Chicopee,	21,692	3	1	..	1	..	..	..	..
Northampton,	20,314	10	1	2	..	2	..	..	..
Beverly,	15,807	5	..	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	4	2	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	..	..	..	..	..	..	..	..
Newburyport,	14,478	6	1	1	..	..	..	..	..
Woburn,	14,315	4	..	2	..	1	..	..	..
Melrose,	13,819	4	..	..	1	..	..	..	..
Westfield,	13,809	4	..	1	..	1	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	4	4	3	..	..	..	..	..
Revere,	13,609	..	..	..	..	..	..	..	..
Framingham,	12,974	1	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	2	2	..	..	..	..	..	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	5	0	1	..	1	..	..	..
Weymouth,	11,350	3	0	1	..	..	..	1	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Erysipelas.	Measles.
Total of reporting towns,	2,132,047	593	122	120	70	79	10	3	4

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 38 Cities and Larger Towns of Massachusetts.

One hundred and twenty deaths were reported from the principal infectious diseases: measles, 4; scarlet fever, 1; cerebro-spinal meningitis, 4; diphtheria and croup, 10; typhoid fever, 4; diarrhœal diseases, 14; erysipelas, 3; whooping-cough, 1.

No deaths were reported from malarial fever, puerperal fever, influenza or small-pox.

There were 79 deatbs from consumption, acute lung diseases, 70, still-births, 45.

From measles: Boston, 4. From scarlet fever: Marlborough, 1. From cerebro-spinal meningitis: Boston, 1; Lowell, 1; Marlborough, 2. From diphtheria and croup: Boston, 5; Fall River, 2; Cambridge, Holyoke and North Adams, 1 each. From whooping-cough: Lowell, 1. From erysipelas: Boston, Lowell and Weymouth, 1 each. From typhoid fever: Boston, Brockton, Newburyport and Medford, 1 each.

Deaths under five years of age numbered 122, as compared with 176 for the preceding week.

Deatbs from the principal infectious diseases numbered 120, as compared with 111 for the preceding week.

The death rates for the week were: Boston, 17.08; Worcester, 9.48; Fall River, 12.20; Lowell, 12.95; Cambridge, 10.84; Lynn, 16.18; Lawrence, 10.78; Springfield, 13.72; Somerville, 14.02; New Bedford, 18.12; Holyoke, 12.35; Brockton, 17.85; Newton, 13.23; Haverhill, 17.30; Malden, 16.76; Salem, 9.78; Chelsea, 18.52; Fitchburg, 11.45; Taunton, ——; Everett, 8.60; No. Adams, 16.03; Quincy, 9.70; Gloucester, ——; Waltham, 8.06; Brookline, 19.84; Pittsfield, 22.74; Medford, 8.10; Chicopee, 8.19; Northampton, 25.59; Beverly, 16.45; Leominster, ——; Clinton, 13.25; Adams, ——; Attleborough, ——; Hyde Park, ——; Newburyport, 21.55; Woburn, 14.52; Melrose, 15.05; Westfield, 15.06; Milford, ——; Marlborough, 15.28; Revere, ——; Framingham, 4.00; Peabody, ——; Gardner, 8.44; Southbridge, ——; Watertown, 22.46; Weymouth, 13.74; Plymoutb, ——.

The total death rate for the week was 14.46, as compared witb 15.25 and 17.02 for tbe previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending May 21, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	67	Typhoid fever,	42
Diphtheria and croup,	115	Measles,	402
Small-pox,	5		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, May 21, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 15,	29.82	49	50	48	87	100	94	N. E.	N. E.	14	15	O.	R.			T
Monday, 16,	29.80	56	62	49	84	57	70	W.	W.	7	11	O.	C.			0.27
Tuesday, 17,	30.02	58	68	48	59	65	62	W.	N. W.	8	2	O.	O.			0.09
Wednesday, 18,	29.95	52	56	49	92	97	94	N. E.	N.	18	8	O.	R.			0.12
Thursday, 19,	29.82	49	51	47	90	96	93	N.	N. E.	11	6	O.	O.			0.98
Friday, 20,	29.70	60	69	50	86	69	78	W.	S. W.	7	6	O.	C.			0.03
Saturday, 21,	29.84	66	78	54	61	51	56	N.	S. W.	10	14	F.	O.			T
Week,	29.85		62	49			78									1.40

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, May 28, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 22.

Entered at the post-office at Boston as second-class matter.

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STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending May 28, 1904.

Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from: Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Erysipelas.	Typhoid Fever.
Boston,	617,950	174	41	33	28	20	5	2	1
Worcester,	136,925	22	7	..	2	..	..	..	..
Fall River,	119,349	27	11	8	5	2	..	..	1
Lowell,	104,402	31	7	5	5	4	1	..	..
Cambridge,	100,998	21	5	7	1	6	..	..	..
Lynn,	73,875	16	3	2	..	1	..	..	1
Lawrence,	72,348	10	6	1	3	1	..	..	..
Springfield,	72,020	..	..	..	..	..	..	..	..
Somerville,	70,413	13	3	1	1	..	..	..	..
New Bedford,	68,863	22	7	3	2	3	..	..	..
Holyoke,	50,538	12	3	4	2	1	..	..	..
Brockton,	46,601	7	1	3	..	2	..	..	1
Newton,	39,310	9	2	1	..	..	..	..	1
Haverhill,	39,061	9	2	1	3	1	..	..	..
Malden,	37,205	5	1	1	1	1	..	..	..
Salem,	37,188	7	2	..	2	..	..	..	..
Chelsea,	36,499	15	1	2	..	2	..	..	..
Fitchburg,	36,335	6	1	..	1	..	..	..	..
Taunton,	34,577	..	..	..	..	..	..	..	..
Everett,	30,209	8	2	2	..	2	..	..	..
North Adams,	29,201	4	1	1	..	..	..	..	1
Quincy,	26,798	5	3	..	2	..	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	0	..	..	..	..	..	..	..
Brookline,	23,576	4	..	..	..	..	..	..	..
Pittsfield,	22,870	..	..	..	..	..	..	..	..
Medford,	21,956	4	..	1	..	1	..	..	..
Chicopee,	21,692	5	1	1	..	1	..	..	..
Northampton,	20,314	11	2	2	..	2	..	..	..
Beverly,	15,807	5	..	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	3	0	..	..	..	..	..	..
Adams,	14,745	3	..	2	..	1	1	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	..	..	..	..	..	..	..	..
Newburyport,	14,478	9	2	1	1	1	..	..	..
Woburn,	14,315	3	..	..	1	..	..	..	..
Melrose,	13,819	3	..	..	..	..	..	..	..
Westfield,	13,809	2	..	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	4	0	1	1	1	..	..	..
Revere,	13,609	3	..	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	5	4	3	..	..	..	..	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	1	0	..	..	..	..	..	..
Weymouth,	11,350	3	1	1	..	1	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Erysipelas.	Typhoid Fever.
Total of reporting towns,	2,052,567	491	119	87	61	54	7	2	6

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 37 Cities and Larger Towns of Massachusetts.

Eighty-seven deaths were reported from the principal infectious diseases: measles, 2; cerebro-spinal meningitis, 3; diphtheria and croup, 7; typhoid fever, 6; diarrhœal diseases, 13; erysipelas, 2.

No deaths were reported from malarial fever, puerperal fever, scarlet fever, whooping-cough, influenza or small-pox.

There were 54 deaths from consumption, acute lung diseases, 61, still-births, 46.

From measles: Boston, 2. From cerebro-spinal meningitis: Boston, 1; Gardner, 2. From diphtheria and croup: Boston, 5; Lowell, 1; Adams, 1. From erysipelas: Boston, 2. From typhoid fever: Boston, Fall River, Lynn, Brockton, Newton and North Adams, 1 each.

Deaths under five years of age numbered 119, as compared with 122 for the preceding week.

Deaths from the principal infectious diseases numbered 87, as compared with 120 for the preceding week.

The death rates for the week were: Boston, 14.64; Worcester, 8.35; Fall River, 11.76; Lowell, 15.44; Cambridge, 10.81; Lynn, 11.26; Lawrence, 7.19; Springfield, ——; Somerville, 9.60; New Bedford, 16.61; Holyoke, 12.35; Brockton, 7.81; Newton, 11.90; Haverhill, 11.98; Malden, 6.98; Salem, 9.79; Chelsea, 21.37; Fitchburg, 8.56; Taunton, ——; Everett, 13.77; No. Adams, 7.12; Quincy, 9.70; Gloucester, ——; Waltham, ——; Brookline, 8.82; Pittsfield, ——; Medford, 9.47; Chicopee, 11.98; Northampton, 28.15; Beverly, 16.45; Leominster, ——; Clinton, 9.94; Adams, 10.70; Attleborough, ——; Hyde Park, ——; Newburyport, 32.32; Woburn, 10.90; Melrose, 11.29; Westfield, 7.53; Milford, ——; Marlborough, 15.28; Revere, 11.46; Framingham, ——; Peabody, ——; Gardner, 21.09; Southbridge, ——; Watertown, 4.49; Weymouth, 13.74; Plymouth, ——.

The total death rate for the week was 12.44, as compared with 14.46 and 15.25 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending May 28, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	43	Typhoid fever,	23
Diphtheria and croup,	110	Measles,	334
Small-pox,	0		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, May 28, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 22,	29.96	68	81	56	62	57	60	S. W.	S. W.	10	14	C.	C.		0.00
Monday, 23,	29.98	67	78	56	61	59	60	S. W.	S. W.	13	15	C.	C.		0.00
Tuesday, 24,	29.98	72	85	60	73	48	60	S. W.	W.	14	8	C.	F.		0.01
Wednesday, 25,	30.12	66	72	60	49	100	74	E.	N. W.	7	9	C.	R.		0.19
Thursday, 26,	29.87	77	87	67	71	65	68	S. W.	S. W.	6	12	C.	O.		0.03
Friday, 27,	29.74	70	72	57	77	58	68	S. W.	W.	14	12	O.	C.		0.31
Saturday, 28,	30.02	64	75	52	54	42	48	N. W.	W.	12	9	C.	C.		0.00
Week,	29.95		79	58			63								0.54

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, June 4, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 23.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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JOHN W. BARTOL, M.D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending June 4, 1904.

Deaths reported to the State Board of Health in 38 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from: Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Cerebro-spinal Meningitis.	Typhoid Fever.
Boston,	617,950	206	50	44	21	34	4	2	..
Worcester,	136,925	28	6	1	2	1	..	..	..
Fall River,	119,349	23	8	4	1	3	..	..	..
Lowell,	104,402	30	9	5	6	3	..	..	1
Cambridge,	100,998	17	4	3	..	2	..	1	..
Lynn,	73,875	15	5	1	..	..	1	..	..
Lawrence,	72,348	23	8	5	2	4	..	..	..
Springfield,	72,020	12	2	..	1	..	..	..	..
Somerville,	70,413	12	2	4	1	2	..	..	..
New Bedford,	68,863	24	7	8	2	5	1	..	2
Holyoke,	50,538	10	1	3	1	3	..	..	..
Brockton,	46,601	9	2	2	1	1	..	1	..
Newton,	39,310	7	1	..	..	..	..	..	..
Haverhill,	39,061	9	1	1	1	..	..	1	..
Malden,	37,205	4	..	..	..	..	..	..	..
Salem,	37,188	11	3	1	..	1	..	..	..
Chelsea,	36,499	6	2	2	2	1	..	1	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	..	..	..	..	..	..	..	..
Everett,	30,209	4	1	..	..	..	..	..	..
North Adams,	29,201	4	2	..	2	..	..	..	..
Quincy,	26,798	5	1	1	..	1	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	8	1	2	2	2	..	..	..
Brookline,	23,576	4	..	..	..	..	..	..	..
Pittsfield,	22,870	6	2	1	..	1	..	..	..
Medford,	21,956	2	1	..	..	..	..	..	..
Chicopee,	21,692	5	1	1	..	1	..	..	..
Northampton,	20,314	8	5	..	..	..	..	..	..
Beverly,	15,807	3	..	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	6	3	1	..	1	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	2	0	..	..	..	..	..	..
Newburyport,	14,478	3	1	..	..	..	..	..	..
Woburn,	14,315	4	1	2	1	2	..	..	..
Melrose,	13,819	2	..	..	1	..	..	..	..
Westfield,	13,809	1	..	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	2	0	..	..	..	..	..	..
Revere,	13,609	2	2	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	2	1	..	..	..	..	..	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	2	0	2	..	1	1	..	..
Weymouth,	11,350	2	0	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Cerebro-spinal Meningitis.	Typhoid Fever.
Total of reporting towns,	2,110,847	523	133	94	47	69	7	6	3

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 38 Cities and Larger Towns of Massachusetts.

Ninety-two deaths were reported from the principal infectious diseases: measles, 1; scarlet fever, 1; cerebro-spinal meningitis, 6; diphtheria and croup, 7; typhoid fever, 3; diarrhœal diseases, 7.

No deaths were reported from malarial fever, puerperal fever, whooping-cough, erysipelas, influenza or small-pox.

There were 69 deaths from consumption, acute lung diseases, 47, still-births, 40.

From measles: Boston, 1. From scarlet fever: Boston, 1. From cerebro-spinal meningitis: Boston, 2; Cambridge, Brockton, Haverhill and Chelsea, 1 each. From diphtheria and croup: Boston, 4; Lynn, 1; New Bedford, 1; Watertown, 1. From typhoid fever: Lowell, 1; New Bedford, 2. From diarrhœal diseases: Boston, 2; Somerville, 2; Fall River, Lowell and Lawrence, 1 each.

Deaths under five years of age numbered 133, as compared with 119 for the preceding week.

Deaths from the principal infectious diseases numbered 94, as compared with 87 for the preceding week.

The death rates for the week were: Boston, 17.33; Worcester, 10.63; Fall River, 10.02; Lowell, 14.94; Cambridge, 8.75; Lynn, 10.56; Lawrence, 16.50; Springfield, 8.66; Somerville, 8.86; New Bedford, 18.12; Holyoke, 10.29; Brockton, 10.04; Newton, 9.26; Haverhill, 11.98; Malden, 5.59; Salem, 15.37; Chelsea, 8.55; Fitchburg, ——; Taunton, ——; Everett, 6.88; No. Adams, 7.12; Quincy, 9.70; Gloucester, ——; Waltham, 16.12; Brookline, 8.82; Pittsfield, 13.64; Medford, 4.67; Chicopee, 11.98; Northampton, 20.47; Beverly, 9.87; Leominster, ——; Clinton, 19.88; Adams, ——; Attleborough, ——; Hyde Park, 7.17; Newburyport, 10.77; Woburn, 14.53; Melrose, 7.52; Westfield, 3.76; Milford, ——; Marlborough, 7.64; Revere, 7.64; Framingham, ——; Peabody, ——; Gardner, 8.44; Southbridge, ——; Watertown, 8.98; Weymouth, 9.16; Plymouth, ——.

The total death rate for the week was 12.88, as compared with 12.44 and 14.46 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending June 4, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	54	Typhoid fever,	15
Diphtheria and croup,	126	Measles,	316
Glanders,	1	Small-pox,	1

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, June 4, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, May 29,	30.08	64	75	52	54	43	48	N. W.	W.	6	9	C.	C.		0.00
Monday, 30,	29.96	67	80	54	67	54	60	S. W.	S. W.	20	12	F.	C.		0.24
Tuesday, 31,	29.99	67	72	62	80	100	90	N.	W.	8	5	O.	R.		0.03
Wednesday, June 1,	30.26	52	55	49	76	100	88	N. E.	N. E.	15	20	C.	R.		0.25
Thursday, 2,	30.20	50	53	48	96	96	96	N.	N. E.	15	7	R.	O.		0.10
Friday, 3,	30.04	54	59	48	100	88	94	E.	E.	4	2	O.	O.		0.16
Saturday, 4,	30.19	62	67	56	87	86	86	N. E.	S. E.	4	6	C.	O.		0.00
Week,	30.10		66	53			80								0.78

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

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Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

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MORTALITY OF MASSACHUSETTS

For the Week ending June 11, 1904.

Deaths reported to the State Board of Health in 43 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Cerebro-spinal Meningitis.	Typhoid Fever.
Boston,	617,950	164	55	31	21	17	4	3	..
Worcester,	136,925	31	9	1	3	1	..	..	..
Fall River,	119,349	22	8	5	4	3	..	..	..
Lowell,	104,402	24	12	1	5	..	1	..	..
Cambridge,	100,998	12	4	1	..	1	..	..	..
Lynn,	73,875	19	3	..	1	..	..	..	..
Lawrence,	72,348	18	7	8	2	7	..	..	..
Springfield,	72,020	15	..	6	..	4	..	..	2
Somerville,	70,413	16	2	5	..	3	..	..	1
New Bedford,	68,863	14	5	3	2	1	..	..	1
Holyoke,	50,538	13	3	2	3	1	..	..	..
Brockton,	46,601	12	2	..	..	..	..	..	..
Newton,	39,310	6	1	1	..	1	..	..	..
Haverhill,	39,061	8	2	2	..	2	..	..	..
Malden,	37,205	6	1	3	..	2	1	..	..
Salem,	37,188	12	2	1	2	1	..	..	..
Chelsea,	36,499	5	1	..	1	..	..	..	..
Fitchburg,	36,335	9	2	1	1	1	..	..	..
Taunton,	34,577	7	1	2	..	2	..	..	..
Everett,	30,209	6	2	..	..	..	..	..	..
North Adams,	29,201	5	1	..	1	..	..	..	..
Quincy,	26,798	4	..	1	..	1	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	5	1	2	..	1	..	..	1
Brookline,	23,576	3	..	..	1	..	..	..	..
Pittsfield,	22,870	4	1	2	..	2	..	..	..
Medford,	21,956	2	..	..	1	..	..	..	..
Chicopee,	21,692	9	3	..	..	..	..	..	..
Northampton,	20,314	5	..	..	..	..	..	..	..
Beverly,	15,807	2	1	1	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	2	0	..	..	..	..	..	..
Adams,	14,745	6	2	1	1	1	..	..	..
Attleborough,	14,561	3	..	1	..	1	..	..	..
Hyde Park,	14,500	3	1	..	..	..	..	..	..
Newburyport,	14,478	9	0	2	..	1	..	..	1
Woburn,	14,315	5	2	1	1	1	..	..	..
Melrose,	13,819	..	..	..	..	..	..	..	..
Westfield,	13,809	1	..	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	3	1	1	..	..	..	..	..
Revere,	13,609	3	1	..	..	..	..	..	..
Framingham,	12,974	14	1	1	1	1	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	4	3	2	..	..	1	1	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	1	0	..	..	..	..	..	..
Weymouth,	11,350	4	0	..	..	..	..	..	..
Plymouth,	11,139	2	1	..	1	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Cerebro-spinal Meningitis.	Typhoid Fever.
Total of reporting towns,	2,221,359	518	141	88	52	56	7	4	6

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 43 Cities and Larger Towns of Massachusetts.

Eighty-eight deaths were reported from the principal infectious diseases: measles, 3; scarlet fever, 1; cerebro-spinal meningitis, 4; diphtheria and croup, 7; typhoid fever, 6; diarrhœal diseases, 10; whooping-cough, 1.

No deaths were reported from malarial fever, puerperal fever, erysipelas, influenza or small-pox.

There were 56 deaths from consumption, acute lung diseases, 52, still-births, 36.

From measles: Boston, 3. From scarlet fever: Boston, 1. From cerebro-spinal meningitis: Boston, 3; Gardner, 1. From diphtheria and croup: Boston, 4; Lowell, Malden and Gardner, 1 each. From whooping-cough: Beverly, 1. From typhoid fever: Springfield, 2; New Bedford, Somerville, Waltham and Newburyport, 1 each. From diarrhœal diseases: Boston, 3; Fall River, 2; Lawrence, New Bedford, Somerville, Holyoke and Marlborough, 1 each.

Deaths under five years of age numbered 141, as compared with 133 for the preceding week.

Deaths from the principal infectious diseases numbered 88, as compared with 94 for the preceding week.

The death rates for the week were: Boston, 13.80; Worcester, 11.77; Fall River, 9.58; Lowell, 11.95; Cambridge, 6.17; Lynn, 13.37; Lawrence, 12.94; Springfield, 10.83; Somerville, 11.80; New Bedford, 10.57; Holyoke, 13.37; Brockton, 13.39; Newton, 7.94; Haverhill, 10.65; Malden, 8.38; Salem, 15.39; Chelsea, 7.12; Fitchburg, 12.88; Taunton, 10.53; Everett, 10.33; No. Adams, 8.90; Quincy, 7.76; Gloucester, ——; Waltham, 10.07; Brookline, 6.61; Pittsfield, 9.09; Medford, 4.74; Chicopee, 21.57; Northampton, 12.79; Beverly, 6.58; Leominster, ——; Clinton, 6.62; Adams, 21.41; Attleborough, 10.71; Hyde Park, 10.76; Newburyport, 32.38; Woburn, 18.16; Melrose, ——; Westfield, 3.76; Milford, ——; Marlborough, 11.46; Revere, 11.46; Framingham, 56.00; Peabody, ——; Gardner, 16.87; Southbridge, ——; Watertown, 4.49; Weymouth, 18.32; Plymouth, 9.33.

The total death rate for the week was 12.12, as compared with 12.88 and 12.44 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending June 11, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	57	Typhoid fever,	23
Diphtheria and croup,	141	Measles,	264
Anthrax,	1	Small-pox,	1

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, June 11, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 5,	29.93	74	88	59	85	86	86	S.	S. W.	12	12	O.	F.		T
Monday, 6,	29.98	62	72	52	88	94	91	N. E.	E.	12	10	O.	O.		0.00
Tuesday, 7,	29.90	58	66	51	97	92	94	N.	S. E.	7	2	R.	O.		0.39
Wednesday, 8,	29.96	60	66	53	100	97	98	N. E.	E.	5	8	G.	O.		0.02
Thursday, 9,	30.30	53	56	50	90	94	92	E.	N. E.	15	12	O.	F.		0.00
Friday, 10,	30.26	54	60	48	74	72	73	E.	S. W.	8	4	F.	F.		0.00
Saturday, 11,	30.02	58	66	49	63	67	65	N. E.	E.	12	2	C.	C.		0.00
Week,	30.05		68	52			86								0.41

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of May, 1904: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	373	117	490	Canned Goods,	1	..	1
Butter,	18	..	18	Honey,	2	..	2
Cheese,	..	..	..	Tea,	2	..	2
Lard,	..	..	..	Coffee,	3	..	3
Condensed Milk,	7	..	7	Chocolate,	1	..	1
Vinegar,	..	1	1	Lemon Extract,	1	1	2
Spices,	115	13	128	Orange Extract,	1	..	1
Cream of Tartar,	17	1	18	Vanilla Extract,	2	..	2
Molasses,	4	..	4	Miscellaneous,	5	4	9
Syrups,	..	..	..	Drugs,	42	24	66
Maple Sugar,	1	..	1				
Maple Syrup,	1	..	1				
				Totals,	596	161	757

Percentage of adulteration, 21.0. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 23.9 per cent., while the percentage of articles of food was 10.0 per cent.

Four samples of milk were found to be colored, with analine orange, and four were preserved with formaldehyde.

Ten complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs, as follows: —

No.	Date of Trial.	Name of Defendant.	Place.	Character of Article Sold.	Result of Trial.
1	May 3,	John Ritinarella,	Boylston,	Milk,	Conviction.
2	May 24,	Geo. H. Davis,	Millis,	Milk,	Conviction.
3	May 24,	Jacob Erenstien,	Medway,	Milk,	Conviction.
4	May 24,	Michael Quirk,	Medway,	Milk,	Conviction.
5	May 24,	August Groehl,	Medway,	Milk,	Conviction.
6	May 26,	John M. Brosnihan,	No. Brookfield,	Milk,	Conviction.
7	May 26,	Harry D. Pollard,	New Braintree,	Milk,	Conviction.
8	May 26,	Theodore Gunther,	Hampden,	Milk,	Conviction.
9	May 27,	Sylvester Cummings,	Rockland,	Milk (colored),	Conviction.
10	May 27,	Sylvester Cummings,	Rockland,	Milk (preserved),	Continued Indefinitely.

Note. The total amount of solids in samples of milk upon which the foregoing cases were entered, were 8.54; 10.40; 11.04; 10.53; 11.40; 11.27; 10.50; 11.36; and 12 22.

Total amount of fines, $206.08.

The samples of drugs found to be adulterated were Aqua Destillata, Extractum Glycyrrhizæ, Ferrum Reductum, Magnesii Sulphas, Oleum Morrhuæ, Oleum Olivæ, Oleum Ricinæ, Sodii Iodidum, Spiritus Frumenti, Tinctura Iodi, Vinium Album, and Vinium Rubrum.

Cities and towns from which samples of food were collected were Boston, Cambridge, Ware, Northampton, Gloucester, Watertown, Weymouth, Marlborough, Waltham, Natick, Brockton, Framingham, Holyoke, Springfield, Amherst, Paxton, Shrewsbury, Fitchburg, Lowell, Warren, Brookfield, Medway, Lawrence, Rockland, Woburn, Walpole, Brookline, Palmer, Worcester, Milford, Hingham, Medford, Somerville, Malden, Everett, Newburyport, Salem, Arlington and Haverhill.

Commonwealth of Massachusetts.—State Board of Health.

Publication of Results of Analyses of Certain Articles of Food, required by Chapter 272, of the Acts of 1902, for the Months of April and May, 1904.

Number of Sample.	Date of Collection.	City or Town where Purchased.	Character of Sample.	Brand or Name of Manufacturer, Wholesaler or Producer.	Results of Analyses.
6700 K	February 20.	Lawrence.	Condensed Milk	Sailor Boy.	Condensed skimmed milk. Fat in original milk 2.10%.
2565 M	March 3.	Cambridge.	Raspberry Preserves.	The John Boyle Co., Baltimore, Md.	Colored with a coal tar dye. Not in formula.
2567 M	March 3.	Cambridge.	Strawberry Preserves.	The John Boyle Co., Baltimore, Md.	Colored with a coal tar dye. Not in formula.
50066	April 13.	Lowell.	Peppermint Extract.	Harrison's. S. W. Harrison & Co., Providence, R. I.	Trace only of peppermint oil.
350	May 17.	No. Attleboro.	Jamaica Ginger.	"Banner." Simpson, Spring Co., Boston.	Trace only of ginger oil.
4251 M	May 25.	Springfield	Mustard.	Sadler's Celebrated Old English Mustard, Southwark, London.	Chiefly wheat and turmeric.
3647 M	April 23.	Boston.	Mustard.	"Extra Strong, Double Superfine." No manuf'r's name.	Largely mustard hulls.
3929 M	May 7.	E. Weymouth.	Ginger.	"Royal." Dwinell Wright & Co., Boston.	Deeply colored with large admixture of turmeric. "Guaranteed absolutely pure."
50162	April 30.	Boston.	Munyon's "Paw Paw." Does away with both the necessity and desire for beer, wine and whiskey.	Munyon Remedy Co., Phila.	21.59% alcohol. Contains none of the starch-converting enzyme of paw paw.
50164	April 30.	Boston.	Hall's Catarrh Cure.	F. J. Cheney & Co , Toledo, Ohio.	14.77% alcohol.
50023	April 7.	W. Somerville.	Hudson Chloride of Lime.	A. Mendelson & Sons, Albany, N. Y.	29% of required strength.
50157	April 26.	Everett.	Aeme Chloride of Lime.	Aeme White Lead & Color Works, Detroit, Mich.	43% of required strength.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, June 18, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 25.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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JOHN W. BARTOL, M.D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending June 18, 1904.

Deaths reported to the State Board of Health in 38 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Prineipal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Cerebro-spinal Meningitis.	Typhoid Fever.
Boston,	617,950	134	32	34	18	16	4	2	..
Worcester,	136,925	37	11	3	..	..	..	1	..
Fall River,	119,349	25	11	10	4	5	..	..	..
Lowell,	104,402	25	12	2	7	1	..	..	..
Cambridge,	100,998	17	4	6	1	5	..	1	..
Lynn,	73,875	19	4	4	..	3	1	..	..
Lawrence,	72,348	16	1	6	2	4	..	..	..
Springfield,	72,020	18	3	4	1	1	1	..	1
Somerville,	70,413	..	..	..	..	..	..	..	..
New Bedford,	68,863	13	3	1	..	1	..	..	..
Holyoke,	50,538	11	4	2	..	1	..	..	..
Brockton,	46,601	9	1	..	..	..	..	..	..
Newton,	39,310	5	1	1	1	1	..	..	..
Haverhill,	39,061	8	..	2	..	2	..	..	..
Malden,	37,205	7	1	2	..	2	..	..	..
Salem,	37,188	13	7	2	..	1	..	..	1
Chelsea,	36,499	13	3	2	1	1	..	..	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	11	4	2	1	1	..	..	..
Everett,	30,209	1	..	1	..	1	..	..	..
North Adams,	29,201	4	1	..	..	..	..	..	..
Quincy,	26,798	4	3	..	..	..	..	..	..
Gloucester,	26,121	3	..	..	..	..	..	..	..
Waltham,	25,797	4	..	..	1	..	..	..	..
Brookline,	23,576	..	..	..	..	..	..	..	..
Pittsfield,	22,870	9	0	2	..	1	..	..	..
Medford,	21,956	4	..	2	1	..	..	..	..
Chicopee,	21,692	1	1	..	..	..	..	..	..
Northampton,	20,314	3	1	1	..	1	..	..	..
Beverly,	15,807	2	1	1	1	..	..	1	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	5	2	1	..	..	..	..	1
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	1	..	..	..	..	..	..	..
Hyde Park,	14,500	1	1	..	..	..	..	..	..
Newburyport,	14,478	6	1	..	..	..	..	..	..
Woburn,	14,315	..	..	..	..	..	..	..	..
Melrose,	13,819	..	..	..	..	..	..	..	..
Westfield,	13,809	4	..	4	..	3	..	1	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	1	1	..	1	..	..	..	..
Revere,	13,609	0	..	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	2	..	..	..	..	..	..	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	1	0	..	..	..	..	..	..
Weymouth,	11,350	2	0	..	..	..	..	..	..
Plymouth,	11,139	1	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Cerebro-spinal Meningitis.	Typhoid Fever.
Total of reporting towns,	2,075,122	440	114	95	40	51	6	6	3

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 38 Cities and Larger Towns of Massachusetts.

Ninety-five deaths were reported from the principal infectious diseases: measles, 4; scarlet fever, 2; cerebro-spinal meningitis, 6; diphtheria and croup, 6; typhoid fever, 3; diarrhœal diseases, 18; whooping-cough, 2; erysipelas, 2; malarial fever, 1.

No deaths were reported from puerperal fever, influenza or small-pox.

There were 51 deaths from consumption, acute lung diseases, 40, still-births, 36.

From measles: Boston, 3; Chelsea, 1. From scarlet fever: Springfield and Medford, 1 each. From cerebro-spinal meningitis: Boston, 2; Worcester, Cambridge, Beverly and Westfield, 1 each. From diphtheria and croup: Boston, 4; Lynn and Springfield, 1 each. From whooping-cough: Worcester and Lawrence, 1 each. From erysipelas: Boston, 2. From typhoid fever: Springfield, Salem and Clinton, 1 each. From malarial fever: Medford, 1.

Deaths under five years of age numbered 114, as compared with 141 for the preceding week.

Deaths from the principal infectious diseases numbered 95, as compared with 88 for the preceding week.

The death rates for the week were: Boston, 11.28; Worcester, 14.05; Fall River, 10.89; Lowell, 12.45; Cambridge, 8.75; Lynn, 13.37; Lawrence, 11.50; Springfield, 13.00; Somerville, ——; New Bedford, 9.81; Holyoke, 11.31; Brockton, 10.04; Newton, 6.61; Haverhill, 10.65; Malden, 9.78; Salem, 18.17; Chelsea, 18.52; Fitchburg, ——; Taunton, 16.54; Everett, 1.72; No. Adams, 7.12; Quincy, 7.76; Gloucester, 5.97; Waltham, 8.06; Brookline, ——; Pittsfield, 20.47; Medford, 9.47; Chicopee, 2.40; Northampton, 7.68; Beverly, 6.58; Leominster, ——; Clinton, 16.56; Adams, ——; Attleborough, 3.57; Hyde Park, 3.58; Newburyport, 21.55; Woburn, ——; Melrose, ——; Westfield, 15.06; Milford, ——; Marlborough, 3.82; Revere, ——; Framingham, ——; Peabody, ——; Gardner, 8.44; Southbridge, ——; Watertown, 4.49; Weymouth, 9.16; Plymouth, 4.67.

The total death rate for the week was 11.02, as compared with 12.12 and 12.88 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending June 18, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	42	Typhoid fever,	18
Diphtheria and croup,	136	Measles,	256
Small-pox,	0		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, June 18, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 12,	30.02	58	62	53	65	70	68	N.	E.	5	3	C.	C.		0.00
Monday, 13,	30.16	54	58	50	63	62	62	N. E.	S.	12	8	O.	C.		0.00
Tuesday, 14,	30.07	59	68	50	54	67	60	S.	S.	7	10	C.	C.		0.00
Wednesday, 15,	29.97	61	73	49	55	76	66	S. W.	S.	9	12	C.	C.		0.00
Thursday, 16,	29.91	69	80	58	76	74	75	S. W.	N. E.	10	9	O.	O.		0.07
Friday, 17,	29.96	64	69	60	53	56	54	N. E.	S.	12	10	O.	C.		0.00
Saturday, 18,	29.82	70	82	58	60	56	58	W.	W.	13	7	F.	F.		0.00
Week,	29.99		70	54			63								0.07

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, June 25, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 26.

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Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending June 25, 1904.

Deaths reported to the State Board of Health in 41 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	* POPULATION. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	DEATHS FROM					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Cerebro-spinal Meningitis.	Typhoid Fever.
Boston,	617,950	174	51	38	18	25	3	..	2
Worcester,	136,925	29	9	2	3	..	..	1	..
Fall River,	119,349	38	15	12	3	4.	..	..	..
Lowell,	104,402	27	9	7	1	3	..	1	..
Cambridge,	100,998	17	5	3	1	..	2	..	1
Lynn,	73,875	13	3	2	..	1	1	..	..
Lawrence,	72,348	17	9	5	3	2	..	..	..
Springfield,	72,020	..	..	..	..	..	..	..	..
Somerville,	70,413	18	4	5	..	3	..	..	..
New Bedford,	68,863	26	7	7	1	4	..	..	1
Holyoke,	50,538	17	6	1	1	1	..	..	..
Brockton,	46,601	8	1	3	..	3	..	..	..
Newton,	39,310	8	1	2	..	2	..	..	..
Haverhill,	39,061	7	1	1	1	1	..	..	..
Malden,	37,205	4	2	..	..	..	..	..	..
Salem,	37,188	13	3	..	2	..	..	..	..
Chelsea,	36,499	16	4	5	3	1	2	1	..
Fitchburg,	36,335	3	..	..	..	..	..	..	..
Taunton,	34,577	8	4	2	2	1	..	..	..
Everett,	30,209	7	3	2	..	..	2	..	..
North Adams,	29,201	6	1	2	..	1	1	..	..
Quincy,	26,798	9	4	4	..	1	2	..	..
Gloucester,	26,121	9	1	1	..	1	..	..	..
Waltham,	25,797	6	..	1	..	1	..	..	..
Brookline,	23,576	3	..	..	..	..	..	..	..
Pittsfield,	22,870	15	..	5	1	5	..	..	..
Medford,	21,956	3	..	1	..	1	..	..	..
Chicopee,	21,692	6	2	2	..	1	..	..	..
Northampton,	20,314	3	..	1	..	1	..	..	..
Beverly,	15,807	4	..	..	2	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	1	..	..	..	..	..	..	..
Adams,	14,745	2	0	1	..	1	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	8	3	1	..	1	..	..	..
Newburyport,	14,478	6	1	..	..	..	..	..	..
Woburn,	14,315	6	3	1	1	1	..	..	..
Melrose,	13,819	..	..	..	..	..	..	..	..
Westfield,	13,809	1	..	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	2	0	..	..	..	..	..	..
Revere,	13,609	2	..	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	1	..	1	..	..	1	..	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	2	0	..	..	..	..	..	..
Weymouth,	11,350	0	..	..	..	..	..	..	..
Plymouth,	11,139	3	..	1	..	1	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Cerebro-spinal Meningitis.	Typhoid Fever.
Total of reporting towns,	2,197,925	548	152	119	43	67	14	3	4

NOTE.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 41 Cities and Larger Towns of Massachusetts.

One hundred and nineteen deaths were reported from the principal infectious diseases: measles, 5; cerebro-spinal meningitis, 3; diphtheria and croup, 14; typhoid fever, 4; diarrhœal diseases, 25; erysipelas, 1.

No deaths were reported from puerperal fever, scarlet fever, malarial fever, whooping-cough, influenza or small-pox.

There were 67 deaths from consumption, acute lung diseases, 43, still-births, 53.

From measles: Boston, 2; Lowell, 2; Somerville, 1. From cerebro-spinal meningitis: Worcester, Lowell and Chelsea, 1 each. From diphtheria and croup: Boston, 3; Cambridge, 2; Chelsea, 2; Everett, 2; Quincy, 2; Lynn, 1; North Adams, 1; Gardner, 1. From erysipelas: New Bedford, 1. From typhoid fever: Boston, 2; Cambridge, 1; New Bedford, 1.

Deaths under five years of age numbered 152, as compared with 114 for the preceding week.

Deaths from the principal infectious diseases numbered 119, as compared with 95 for the preceding week.

The death rates for the week were: Boston, 14.64; Worcester, 11.01; Fall River, 16.55; Lowell, 13.45; Cambridge 8.75; Lynn, 9.15; Lawrence, 12.22; Springfield, ——; Somerville, 13.29; New Bedford, 19.63; Holyoke, 17.49; Brockton, 8.73; Newton, 10.58; Haverhill, 9.32; Malden, 5.59; Salem, 18.17; Chelsea, 22.80; Fitchburg, 4.29; Taunton, 12.03; Everett, 12.04; No. Adams, 10.68; Quincy, 17.46; Gloucester, 17.91; Waltham, 12.09; Brookline, 6.61; Pittsfield, 34.11; Medford, 7.10; Chicopee, 14.38; Northampton, 7.68; Beverly, 13.16; Leominster, ——; Clinton, 3.31; Adams, 7.13; Attleborough, ——; Hyde Park, 28.69; Newburyport, 21.55; Woburn, 21.79; Melrose, ——; Westfield, 3.76; Milford, ——; Marlborough, 7.64; Revere, 7.64; Framingham, ——; Peabody, ——; Gardner, 4.21; Southbridge, ——; Watertown, 8.98; Weymouth, ——; Plymouth, 14.00.

The total death rate for the week was 12.96, as compared with 11.02 and 12.12 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending June 25, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	62	Typhoid fever,	43
Diphtheria and croup,	126	Measles,	239
Small-pox,	2		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, June 25, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 19,	30.06	69	76	62	51	60	56	N. W.	S.	6	7	C.	C.		0.00
Monday, 20,	29.92	70	80	61	46	74	60	N. E.	S. W.	4	13	C.	C.		0.00
Tuesday, 21,	29.62	75	84	66	78	74	76	S. W.	S. W.	12	10	F.	C.		0.12
Wednesday, 22,	29.68	74	85	62	84	65	74	S. W.	N.	4	21	O.	O.		0.05
Thursday, 23,	30.26	66	73	58	53	48	50	N. E.	S.	10	11	C.	F.		0.00
Friday, 24,	30.22	70	84	57	56	65	60	W.	S. W.	12	16	C.	C.		0.00
Saturday, 25,	29.98	76	90	63	69	86	78	S. W	S. W.	8	12	F.	R.		0.23
Week,	29.96		82	61			65								0.40

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, July 2, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 27.

Entered at the post-office at Boston as second-class matter.

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SAMUEL W. ABBOTT, M.D., *Secretary*.

MORTALITY OF MASSACHUSETTS

For the Week ending July 2, 1904.

Deaths reported to the State Board of Health in 36 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Cronp.	Cerebro-spinal Meningitis.	Typhoid Fever.
Boston,	617,950	180	55	37	16	23	..	..	3
Worcester,	136,925	32	5	3	1	..	..	..	1
Fall River,	119,349	27	17	14	2	2	..	1	..
Lowell,	104,402	35	15	4	4	2	..	..	..
Cambridge,	100,998	19	7	1	1	..	1	..	..
Lynn,	73,875	15	..	3	..	1	1	..	1
Lawrence,	72,348	..	..	..	..	..	..	..	..
Springfield,	72,020	17	5	6	..	2	..	..	..
Somerville,	70,413	6	..	1	..	1	..	..	..
New Bedford,	68,863	24	8	3	2	3	..	..	..
Holyoke,	50,538	23	11	8	..	3	..	..	..
Brockton,	46,601	8	2	4	..	3	..	1	..
Newton,	39,310	6	1	1	1	1	..	..	..
Haverhill,	39,061	17	1	2	1	2	..	..	..
Malden,	37,205	8	1	1	..	1	..	..	..
Salem,	37,188	10	2	1	..	1	..	..	..
Chelsea,	36,499	9	2	3	1	2	1	..	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	..	..	..	..	..	..	..	..
Everett,	30,209	7	2	1	..	1	..	..	..
North Adams,	29,201	3	2	1	..	..	1	..	..
Quincy,	26,798	5	1	2	..	1	..	..	..
Gloucester,	26,121	7	1	..	..	..	..	..	..
Waltham,	25,797	6	1	1	..	1	..	..	..
Brookline,	23,576	3	..	1	..	1	..	..	..
Pittsfield,	22,870	9	3	2	..	1	..	..	1
Medford,	21,956	2	..	..	..	..	..	..	..
Chicopee,	21,692	6	4	2	..	1	..	..	..
Northampton,	20,314	5	2	..	..	..	..	..	..
Beverly,	15,807	1	1	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	1	0	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	4	3	..	..	..	..	..	..
Newburyport,	14,478	2	0	..	..	..	..	..	..
Woburn,	14,315	..	..	..	..	..	..	..	..
Melrose,	13,819	..	..	..	..	..	..	..	..
Westfield,	13,809	6	2	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	3	2	..	..	..	..	..	..
Revere,	13,609	3	..	1	..	1	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	0	..	..	..	..	..	..	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	1	1	..	..	..	..	..	..
Weymouth,	11,350	2	0	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Cerebro-spinal Meningitis.	Typhoid Fever.
Total of reporting towns,	2,036,486	512	157	103	29	54	4	2	6

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 36 Cities and Larger Towns of Massachusetts.

One hundred and three deaths were reported from the principal infectious diseases: measles, 3; scarlet fever, 1; cerebro-spinal meningitis, 2; diphtheria and croup, 4; typhoid fever, 6; diarrhœal diseases, 30; whooping-cough, 2; erysipelas, 1.

No deaths were reported from malarial fever, puerperal fever, influenza or small-pox.

There were 54 deaths from consumption, acute lung diseases, 29, still-births, 41.

From measles: Boston, 1; Lowell, 2. From scarlet fever: Boston, 1. From cerebro-spinal meningitis: Fall River, 1; Brockton, 1. From diphtheria and croup: Cambridge, Lynn, Chelsea and North Adams, 1 each. From whooping-cough: Boston and Worcester, 1 each. From erysipelas: Boston, 1. From typhoid fever: Boston, 3; Worcester, Lynn and Pittsfield, 1 each. From diarrhœal diseases: Boston, 7; Fall River, 11; Worcester, 1; Springfield, 4; Holyoke, 5; Quincy, 1; Chicopee, 1.

Deaths under five years of age numbered 157, as compared with 152 for the preceding week.

Deaths from the principal infectious diseases numbered 103, as compared with 119 for the preceding week.

The death rates for the week were: Boston, 15.15; Worcester, 12.15; Fall River, 11.76; Lowell, 17.43; Cambridge, 9.78; Lynn, 10.56; Lawrence, ——; Springfield, 12.27; Somerville, 4.43; New Bedford, 18.12; Holyoke, 23.66; Brockton, 8.93; Newton, 7.93; Haverhill, 22.62; Malden, 11.17; Salem, 13.98; Chelsea, 12.82; Fitchburg, ——; Taunton, ——; Everett, 12.04; No. Adams, 5.34; Quincy, 9.70; Gloucester, 13.93; Waltham, 12.09; Brookline, 6.61; Pittsfield, 20.46; Medford, 4.73; Chicopee, 14.38; Northampton, 12.79; Beverly, 3.29; Leominster, ——; Clinton, 3.31; Adams, ——; Attleborough, ——; Hyde Park, 14.34; Newburyport, 7.18; Woburn, ——; Melrose, ——; Westfield, 22.59; Milford, ——; Marlborough, 11.46; Revere, 11.46; Framingham, ——; Peabody, ——; Gardner, ——; Southbridge, ——; Watertown, 4.49; Weymouth, 9.16; Plymouth, ——.

The total death rate for the week was 13.07, as compared with 12.96 and 11.02 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending July 2, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	39	Typhoid fever,	50
Diphtheria and croup,	101	Measles,	248
Small-pox,	0		

(SIGNED) **S. W. ABBOTT, M.D.,**

Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, July 2, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, June 26,	29.86	82	92	71	83	56	70	W.	W.	9	10	C.	F.		0.01
Monday, 27,	30.01	74	82	65	61	46	53	N. W.	N.	10	8	C.	C.		0.00
Tuesday, 28,	30.16	64	70	59	52	62	57	N. E.	S. E.	4	9	F.	O.		0.00
Wednesday, 29,	29.97	61	65	57	82	97	90	S. E.	N.	8	6	R.	R.		0.43
Thursday, 30,	29.91	66	75	57	97	89	93	E.	S. W.	6	18	R.	O.		0.23
Friday, July 1,	29.88	74	80	69	95	88	92	S. W.	S.	5	14	R.	C.		0.03
Saturday, 2,	29.94	70	79	60	84	66	95	S. W.	W.	10	10	F.	O.		0.00
Week,	29.96		78	63			79								0.70

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, July 9, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 28.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made eac week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending July 9, 1904.

Deaths reported to the State Board of Health in 41 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Prineipal Infeetious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Cerebro-spinal Meningitis.	Diarrhœal Diseases.
Boston,	617,950	172	43	36	13	22	5	1	5
Worcester,	136,925	26	10	4	..	1	..	..	2
Fall River,	119,349	..	..	..	..	..	..	..	..
Lowell,	104,402	28	9	8	1	1	..	..	7
Cambridge,	100,998	8	2	2	..	2	..	..	..
Lynn,	73,875	17	3	2	..	2	..	..	..
Lawrence,	72,348	25	6	9	3	4	..	..	5
Springfield,	72,020	13	5	2	..	2	..	..	..
Somerville,	70,413	10	2	1	2	..	1	..	..
New Bedford,	68,863	17	5	4	2	2	..	..	2
Holyoke,	50,538	19	7	10	1	4	..	..	6
Brockton,	46,601	8	4	1	..	..	..	1	..
Newton,	39,310	9	1	..	..	..	..	..	..
Haverhill,	39,061	5	..	1	..	1	..	..	..
Malden,	37,205	11	2	1	..	1	..	..	..
Salem,	37,188	13	1	1	..	1	..	..	..
Chelsea,	36,499	9	0	1	1	..	..	1	..
Fitchburg,	36,335	4	1	1	..	1	..	..	..
Taunton,	34,577	8	3	1	..	1	..	..	..
Everett,	30,209	3	1	1	..	..	..	1	..
North Adams,	29,201	2	..	..	..	..	..	..	..
Quincy,	26,798	6	..	3	1	1	..	1	1
Gloucester,	26,121	4	1	..	..	..	..	..	..
Waltham,	25,797	6	1	2	..	1	1	..	..
Brookline,	23,576	7	..	2	..	2	..	..	..
Pittsfield,	22,870	5	2	1	..	..	..	..	1
Medford,	21,956	7	..	1	..	1	..	..	..
Chicopee,	21,692	6	3	3	1	..	..	..	3
Northampton,	20,314	4	1	1	..	1	..	..	..
Beverly,	15,807	6	1	1	..	1	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	8	2	1	..	1	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	6	1	2	..	1	..	..	1
Newburyport,	14,478	4	1	..	..	..	..	..	..
Woburn,	14,315	5	2	1	1	1	..	..	..
Melrose,	13,819	2	1	..	..	..	..	..	..
Westfield,	13,809	4	1	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	3	1	..	..	..	..	..	..
Revere,	13,609	2	..	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	1	0	..	..	..	..	..	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	3	1	..	..	..	..	..	..
Weymouth,	11,350	0	..	..	..	..	..	..	..
Plymouth,	11,139	4	2	1	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infeetious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Cerebro-spinal Meningitis.	Diarrhœal Diseases.
Total of reporting towns,	2,099,670	500	126	105	26	55	7	5	33

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 41 Cities and Larger Towns of Massachusetts.

One hundred and five deaths were reported from the principal infectious diseases: measles, 2; scarlet fever, 1; cerebro-spinal meningitis, 5; diphtheria and croup, 7; typhoid fever, 2; diarrhœal diseases, 33.

No deaths were reported from whooping-cough, erysipelas, malarial fever, puerperal fever, influenza or small-pox.

There were 55 deaths from consumption, acute lung diseases, 26, still-births, 40.

From measles: Boston, 1; Plymouth 1. From scarlet fever: Worcester, 1. From cerebro-spinal meningitis: Boston, Brockton, Chelsea, Everett and Quincy, 1 each. From typhoid fever: Boston, 2. From diphtheria and croup: Boston, 5; Somerville and Waltham, 1 each.

Deaths under five years of age numbered 126, as compared with 157 for the preceding week.

Deaths from the principal infectious diseases numbered 105, as compared with 103 for the preceding week.

The death rates for the week were: Boston, 14.47: Worcester, 9.87; Fall River, ——: Lowell, 13.94; Cambridge, 4.12; Lynn, 11.96; Lawrence, 17.96; Springfield, 9.38; Somerville, 7.38; New Bedford, 12.83; Holyoke, 19.55; Brockton, 8.93; Newton, 11.90; Haverhill, 6.65; Malden, 15.36; Salem, 18.17; Chelsea, 12.82; Fitchburg, 5.72; Taunton, 12.03; Everett, 5.16; No. Adams, 3.44; Quincy, 11.64; Gloucester, 7.96; Waltham, 12.09; Brookline, 15.43; Pittsfield, 11.37; Medford, 16.57; Chicopee, 14.38; Northampton, 10.23; Beverly, 19.74; Leominster, ——; Clinton, 26.50; Adams, ——; Attleborough, ——; Hyde Park, 21.51; Newburyport, 14.37; Woburn, 18.16; Melrose, 7.52; Westfield, 15.06; Milford, ——; Marlborough, 11.46; Revere, 7.64; Framingham, ——; Peabody, ——; Gardner, 4.22; Southbridge, ——; Watertown, 13.47; Weymouth, ——; Plymouth, 18.67.

The total death rate for the week was 12.38, as compared with 13.07 and 12.96 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending July 9, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	52	Typhoid fever,	22
Diphtheria and croup,	81	Measles,	145
Small-pox,	2		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, July 9, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 3,	30.18	64	72	56	64	54	59	N. W.	N. W.	13	4	C.	C.		0.00
Monday, 4,	30.20	68	79	57	53	80	66	S. W.	S.	6	15	O.	C.		0.00
Tuesday, 5,	29.98	76	86	67	80	86	83	S. W.	S.	13	6	O.	O.		0.39
Wednesday, 6,	30.02	72	77	68	76	91	84	N.	S.	6	8	O.	F.		0.03
Thursday, 7,	30.07	69	74	64	85	90	88	E.	E.	6	5	O.	O.		0.00
Friday, 8,	30.12	70	76	63	87	71	79	S. E.	S. E.	2	9	O.	O.		0.00
Saturday, 9,	30.11	68	63	74	72	85	78	S. E.	S. E.	3	7	C.	F.		0.00
Week,	30.10		75	64			77								0.42

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of June, 1904: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	408	70	478	Condensed Milk,	7	3	10
Butter,	24	..	24	Honey,	4	1	5
Cheese,	2	..	2	Tea,	1	..	1
Lard,	1	..	1	Coffee,	6	..	6
Olive Oil,	..	..	..	Cocoa and Chocolate,	1	1	2
Vinegar,	..	..	..	Confectionery,	3	..	3
Spices,	111	7	118	Lemon Extract,	..	4	4
Cream of Tartar,	20	1	21	Vanilla Extract,	1	..	1
Molasses,	7	..	7	Miscellaneous,	8	2	10
Syrups,	..	..	..	Drugs,	66	35	101
Maple Sugar,	..	2	2				
Maple Syrup,	..	4	4				
				Totals,	670	130	800

Percentage of adulteration, 16.2. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 14.6 per cent., while the percentage of articles of food was 11.3 per cent.

Nine samples of milk were found to be preserved with formaldehyde.

Three complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs, as follows: —

No.	Date of Trial.	Name of Defendant.	Place.	Character of Article Sold.	Result of Trial.
1	June 4,	Frank C. Bowser,	Woburn,	Milk (solids 10.49),	Conviction. Fined $10.00
2	June 17,	Eugene O. Clark,	Springfield,	Cream of Tartar,	Conviction. S'nt'nce d'ff'rd.
3	June 30,	Samuel H. Rostler,	Lowell,	Maple Sugar,	Conviction. Placed on file.

The samples of drugs found to be adulterated were Aqua Ammonia, Aqua Destillata, Extractum Glycyrrhizæ, Ferrum Reductum, Glycerinum, Macis, Oleum Cinnamomi, Oleum Morrhuæ, Sodii Iodidum, Sodii Phosphus, Spiritus Ætheris Nitrosi, Sulphur Præcipitatum and Tinctura Iodi.

Cities and towns from which samples of food were collected were Boston, Pittsfield, Lawrence, Quincy, Attleborough, Worcester, Chelsea, Lowell, Hyde Park, Holden, Revere, Taunton, Medway, Cambridge, Somerville, Milton, Springfield, Rockland, Newton, Chicopee, Plymouth, Holyoke, Cochituate, Beverly, Natick, Salem, Haverhill, Greenfield, Marblehead, Northampton, New Bedford, Newburyport, Salisbury Beach, Medford, Fall River and Fitchburg.

Commonwealth of Massachusetts.—State Board of Health.

Publication of Results of Analyses of Certain Articles of Food, required by Chapter 272, of the Acts of 1902, for the Month of June, 1904.

Number of Sample.	Date of Collection.	City or Town where Purchased.	Character of Sample.	Brand or Name of Manufacturer, Wholesaler or Producer.	Results of Analyses.
4889 M	June 27.	Roxbury.	Condensed Milk.	O'Keeffe's O. K.	Made from skimmed milk. Fat in original milk 2.69%.
8498 K	June 6.	Lawrence.	Cream of Tartar.	Star Brand, Pulverized Cream of Tartar. Extra Fine. "Guaranteed as to quality and strength."	Contains a large admixture of calcium sulphate, calcium phosphate and corn stareh.
4429 M	June 6.	Boston.	Honey.	Pure Jamaica Mountain Honey. Smith and Cheeney, Importers, Boston, Mass.	Admixture of cane sugar and commereial glucose.
50446	June 11.	Boston.	Maple Syrup.	E. E. Gray Co., Boston, Mass.	Large admixture of refined cane sugar.
50517	June 15.	Medford.	Maple Syrup.	J. H. Folkins & Co., Chelsea, Mass.	Large admixture of refined eane sugar.
8902 K	June 25.	Lawrence.	Maple Syrup.	Spindle City Brand. Mansfield, Witham & Co, Lowell, Mass.	Large admixture of refined eane sugar.
8900 K	June 25.	Lawrence	Maple Syrup.	W. A. Little & Co., Boston, Mass.	Large admixture of refined cane sugar.
50495	June 14.	Haverhill.	Mustard.	Eureka, "absolutely pure," H Belanger, Haverhill	Excess of starch-containing weed seed.
4505 M	June 8.	Springfield.	Cloves.	Eastern Brand. American Japan Tea Co., Springfield.	Largely clove stems and exhausted eloves.
4507 M	June 8.	Springfield.	Ginger.	Eastern Brand. American Japan Tea Co., Springfield.	Large admixture of exhausted ginger.
4593 M	June 11.	Rockland.	Cocoa.	"Homestead Breakfast." "Guaranteed absolutely pure." Put up for V. E. Miller, Cash Grocer.	Admixture of corn starch.
50533	June 16.	Salisbury Beach.	Lemon Extract.	Kidder's Concentrated. Kidder & Co., Boston.	1.3% lemon oil. 70.9% alcohol.
50424	June 10.	New Bedford.	Lemon Extract.	"Royal Arms." International Coffee Co., New York.	No lemon oil. Admixture of cane sugar.
50535	June 16.	Salisbury Beach.	Lemon Extract.	Aeme Brand. Aeme Extract Co., Binghampton, N. Y.	0.6% lemon oil. 37.34% alcohol.
8494 K	June 6.	Lawrence.	Lemon Extraet.	E. M. Chase Tea Co., Manehester, N. H.	3.3% lemon oil. 79.6% alcohol.

Weekly Bulletin

OF THE

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OF

MASSACHUSETTS

FOR THE

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Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending July 16, 1904.

Deaths reported to the State Board of Health in 42 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Cerebro-spinal Meningitis.	Diarrhœal Diseases.
Boston,	617,950	142	35	34	16	19	3	1	8
Worcester,	136,925	32	10	4	4	..	..	3	1
Fall River,	119,349	55	23	29	3	10	..	..	19
Lowell,	104,402	47	25	17	5	3	..	..	11
Cambridge,	100,998	21	7	7	3	3	..	..	4
Lynn,	73,875	21	4	5	4	2	..	1	2
Lawrence,	72,348	23	10	11	2	1	..	..	10
Springfield,	72,020	17	7	3	1	1	..	..	2
Somerville,	70,413	13	..	1	..	..	..	..	..
New Bedford,	68,863	21	11	5	2	1	..	..	4
Holyoke,	50,538	25	14	15	1	4	1	..	9
Brockton,	46,601	6	1	4	..	3	..	..	1
Newton,	39,310	7	..	..	..	..	..	..	..
Haverhill,	39,061	8	3	1	..	..	..	..	1
Malden,	37,205	5	1	2	1	2	..	..	..
Salem,	37,188	9	4	1	2	..	1	..	..
Chelsea,	36,499	10	0	2	1	2	..	..	..
Fitchburg,	36,335	8	3	2	..	2	..	..	..
Taunton,	34,577	2	0	..	..	..	..	..	..
Everett,	30,209	7	1	1	..	..	..	..	..
North Adams,	29,201	8	4	2	..	1	..	..	..
Quincy,	26,798	6	..	..	..	..	..	..	..
Gloucester,	26,121	5	..	..	1	..	..	..	..
Waltham,	25,797	5	..	1	..	1	..	..	..
Brookline,	23,576	2	..	1	..	1	..	..	..
Pittsfield,	22,870	7	2	1	..	1	..	..	..
Medford,	21,956	6	..	..	1	..	..	..	..
Chicopee,	21,692	9	3	4	..	2	..	..	2
Northampton,	20,314	11	1	1	..	1	..	..	..
Beverly,	15,807	..	..	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	3	0	..	..	..	..	..	..
Adams,	14,745	5	4	3	..	..	..	..	3
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	..	..	..	..	..	..	..	..
Newburyport,	14,478	10	0	..	..	..	..	..	..
Woburn,	14,315	2	2	..	..	..	..	..	..
Melrose,	13,819	2	2	1	..	1	..	..	..
Westfield,	13,809	4	2	2	..	1	1	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	2	0	..	..	..	..	..	..
Revere,	13,609	3	..	1	..	..	..	1	..
Framingham,	12,974	9	2	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	2	..	..	..	..	..	..	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	4	1	1	..	1	..	..	..
Weymouth,	11,350	1	0	..	..	..	..	..	..
Plymouth,	11,139	2	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Cerebro-spinal Meningitis.	Diarrhœal Diseases.
Total of reporting towns,	2,216,431	587	182	162	47	63	6	6	77

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 42 Cities and Larger Towns of Massachusetts.

One hundred and sixty-two deaths were reported from the principal infectious diseases: measles, 4; cerebro-spinal meningitis, 6; diphtheria and croup, 6; typhoid fever, 3; diarrhœal diseases, 77; whooping-cough, 2; erysipelas, 1.

No deaths were reported from malarial fever, scarlet fever, puerperal fever, influenza or small-pox.

There were 63 deaths from consumption, acute lung diseases, 47, still-births, 48.

From measles: Lowell, 3; North Adams, 1. From cerebro-spinal meningitis: Boston, 1; Worcester, 3; Lynn and Revere, 1 each. From diphtheria and croup: Boston, 3; Holyoke, Salem and Westfield, 1 each. From whooping-cough: Boston and Holyoke, 1 each. From erysipelas: Boston, 1. From typhoid fever: Boston, Somerville and Everett, 1 each.

Deaths under five years of age numbered 182, as compared with 126 for the preceding week.

Deaths from the principal infectious diseases numbered 162, as compared with 105 for the preceding week.

The death rates for the week were: Boston, 11.95; Worcester, 12.15; Fall River, 23.95; Lowell, 23.41; Cambridge, 10.81; Lynn, 14.78; Lawrence, 16.53; Springfield, 12.27; Somerville, 9.60; New Bedford, 15.85; Holyoke, 25.72; Brockton, 6.70; Newton, 9.26; Haverhill, 10.65; Malden, 6.98; Salem, 12.58; Chelsea, 14.25; Fitchburg, 11.45; Taunton, 3.00; Everett, 12.05; No. Adams, 14.25; Quincy, 11.64; Gloucester, 9.95; Waltham, 10.07; Brookline, 4.40; Pittsfield, 15.92; Medford, 14.20; Chicopee, 21.57; Northampton, 28.14; Beverly, ——; Leominster, ——; Clinton, 9.94; Adams, 17.84; Attleborough, ——; Hyde Park, ——; Newburyport, 35.92; Woburn, 7.26; Melrose, 7.52; Westfield, 15.06; Milford, ——; Marlborough, 7.64; Revere, 11.46; Framingham, 36.00; Peabody, ——; Gardner, 8.44; Southbridge, ——; Watertown, 17.97; Weymouth, 4.58; Plymouth, 9.33.

The total death rate for the week was 13.77, as compared with 12.38 and 13.07 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending July 16, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	44	Typhoid fever,	41
Diphtheria and croup,	102	Measles,	149
Small-pox,	0		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, July 16, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 10,	29.97	66	69	62	89	97	93	E.	E.	6	4	O.	O.		T
Monday, 11,	29.80	74	84	64	86	87	86	W.	S.	6	9	F.	C.		0.00
Tuesday, 12,	29.66	76	83	70	84	86	85	S. W.	S.	10	13	O.	C.		0.00
Wednesday, 13,	29.78	70	79	61	85	59	72	W.	N.	10	14	R.	C.		0.07
Thursday, 14,	30.08	69	80	58	64	77	70	N. W.	S. W.	10	5	C.	F.		0.00
Friday, 15,	30.06	74	83	64	63	59	61	W.	S. W.	8	16	O.	O.		T
Saturday, 16,	29.93	78	88	68	75	87	81	S. W.	S.	14	12	F.	F.		0.11
Week,	29.90		81	64			78								0.18

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, July 23, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 30.

Entered at the post-office at Boston as second-class matter.

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MORTALITY OF MASSACHUSETTS

For the Week ending July 23, 1904.

Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	617,950	195	71	63	14	26	3	4	29
Worcester,	136,925	28	13	8	1	1	..	..	5
Fall River,	119,349	59	41	26	..	4	..	..	21
Lowell,	104,402	62	31	23	4	6	..	2	13
Cambridge,	100,998	23	7	10	2	5	..	..	5
Lynn,	73,875	23	6	6	..	4	1	..	1
Lawrence,	72,348	30	15	14	1	2	..	..	10
Springfield,	72,020	..	..	..	..	..	..	..	..
Somerville,	70,413	10	3	..	..	..	..	..	..
New Bedford,	68,863	20	11	10	1	1	..	..	9
Holyoke,	50,538	17	10	8	2	1	..	..	7
Brockton,	46,601	11	4	..	..	..	..	..	..
Newton,	39,310	4	1	1	..	..	..	..	1
Haverhill,	39,061	13	3	2	1	1	..	..	1
Malden,	37,205	10	3	3	1	1	..	..	2
Salem,	37,188	22	7	7	2	2	..	..	5
Chelsea,	36,499	12	4	2	..	2	..	..	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	17	5	2	..	..	..	..	2
Everett,	30,209	6	2	1	..	1	..	..	..
North Adams,	29,201	7	3	2	..	..	1	..	1
Quincy,	26,798	6	1	3	..	1	..	1	1
Gloucester,	26,121	5	1	..	..	..	..	..	..
Waltham,	25,797	9	1	..	1	..	..	..	..
Brookline,	23,576	3	..	..	..	..	..	..	..
Pittsfield,	22,870	..	..	..	..	..	..	..	..
Medford,	21,956	6	2	3	..	1	..	..	2
Chicopee,	21,692	10	2	1	1	1	..	..	..
Northampton,	20,314	4	0	1	..	1	..	..	..
Beverly,	15,807	..	..	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	5	2	1	..	..	..	..	1
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	..	..	..	..	..	..	..	..
Newburyport,	14,478	5	2	1	..	..	..	..	1
Woburn,	14,315	0	..	..	..	..	..	..	..
Melrose,	13,819	5	1	2	..	1	..	..	..
Westfield,	13,809	11	7	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	4	1	2	..	..	..	..	1
Revere,	13,609	2	..	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	3	2	..	..	..	..	..	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	1	0	1	..	1	..	..	..
Weymouth,	11,350	0	..	..	..	..	..	..	..
Plymouth,	11,139	3	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns,	2,057,487	651	262	203	31	63	5	7	118

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 37 Cities and Larger Towns of Massachusetts.

Two hundred and three deaths were reported from the principal infectious diseases: measles, 4; cerebro-spinal meningitis, 3; diphtheria and croup, 5; typhoid fever, 7; diarrhœal diseases, 118; whooping-cough, 3.

No deaths were reported from malarial fever, scarlet fever, puerperal fever, erysipelas, influenza or small-pox.

There were 63 deaths from consumption, acute lung diseases, 31, still-births, 41.

From measles: Boston, 1; Worcester, 1; Lowell, 2. From cerebro-spinal meningitis: Worcester, Fall River and Marlborough, 1 each. From diphtheria and croup: Boston, 3; Lynn, 1; North Adams, 1. From whooping-cough: Lawrence, 2; Melrose, 1. From typhoid fever: Boston, 4; Lowell, 2; Quincy, 1.

Deaths under five years of age numbered 262, as compared with 182 for the preceding week.

Deaths from the principal infectious diseases numbered 203, as compared with 162 for the preceding week.

The death rates for the week were: Boston, 16.40; Worcester, 10.63; Fall River, 25.70; Lowell, 30.88; Cambridge, 11.84; Lynn, 16.19; Lawrence, 21.56; Springfield, ——; Somerville, 7.38; New Bedford, 15.10; Holyoke, 17.49; Brockton, 12.27; Newton, 5.29; Haverhill, 17.30; Malden, 13.97; Salem, 30.75; Chelsea, 17.10; Fitchburg, ——; Taunton, 25.56; Everett, 10.32; No. Adams, 12.47; Quincy, 11.64; Gloucester, 9.95; Waltham, 18.13; Brookline, 6.61; Pittsfield, ——; Medford, 14.20; Chicopee, 23.97; Northampton, 10.23; Beverly, ——; Leominster, ——; Clinton, 16.56; Adams, ——; Attleborough, ——; Hyde Park, ——; Newburyport, 17.96; Woburn, ——; Melrose, 18.81; Westfield, 41.41; Milford, ——; Marlborough, 15.28; Revere, 7.64; Framingham, ——; Peabody, ——; Gardner, 12.66; Southbridge, ——; Watertown, 4.49; Weymouth, ——; Plymouth, 14.00.

The total death rate for the week was 16.45, as compared with 13.77 and 12.38 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending July 23, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever, ...	36	Typhoid fever, ...	33
Diphtheria and croup, ...	74	Measles, ...	155
Small-pox, ...	1		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, July 23, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, . . 17,	29.92	73	80	66	65	64	64	N.	S.	8	10	C.	F.		0.00
Monday, . . 18,	29.92	73	78	68	67	72	70	N.	S.	5	9	F.	C.		0.00
Tuesday, . . 19,	29.85	76	87	65	74	72	73	S. E.	S.	2	12	C.	C.		0.00
Wednesday, . 20,	29.76	79	88	70	61	40	50	N. W.	N. W.	10	9	C.	C.		0.00
Thursday, . . 21,	29.86	75	84	66	48	52	50	W.	N.	12	9	C.	C.		0.00
Friday, . . 22,	30.04	67	72	62	60	82	71	E.	E.	10	8	F.	R.		T
Saturday, . . 23,	30.02	61	63	59	94	94	94	E.	N.	22	13	R.	R.		0.36
Week, . . .	29.91		79	65			67								0.36

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

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OF

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MORTALITY OF MASSACHUSETTS

For the Week ending July 30, 1904.

Deaths reported to the State Board of Health in 39 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

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				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	617,950	207	76	75	13	18	4	2	45
Worcester,	136,925	31	16	7	2	..	..	..	7
Fall River,	119,349	64	48	44	4	6	1	..	37
Lowell,	104,402	53	34	20	5	4	..	1	13
Cambridge,	100,998	16	9	10	..	2	..	..	8
Lynn,	73,875	28	12	9	1	2	1	..	4
Lawrence,	72,348	29	15	15	2	2	..	..	13
Springfield,	72,020	35	10	11	..	4	1	..	6
Somerville,	70,413	16	7	4	2	1	..	..	3
New Bedford,	68,863	35	25	21	3	3	..	..	18
Holyoke,	50,538	18	13	9	1	..	..	..	9
Brockton,	46,601	19	7	2	..	1	1	..	..
Newton,	39,310	6	2	1	1	..	..	..	1
Haverhill,	39,061	7	1	1	1	..	..	..	1
Malden,	37,205	6	5	2	1	..	..	..	2
Salem,	37,188	24	15	14	..	2	..	..	12
Chelsea,	36,499	12	9	2	..	..	1	..	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	9	1	3	..	..	..	..	2
Everett,	30,209	7	4	..	..	..	..	..	..
North Adams,	29,201	8	3	3	..	..	..	..	3
Quincy,	26,798	8	2	2	..	..	..	..	2
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	6	1	2	..	1	..	..	1
Brookline,	23,576	4	2	..	..	..	..	..	..
Pittsfield,	22,870	13	3	3	2	1	..	..	2
Medford,	21,956	8	6	3	1	..	..	..	3
Chicopee,	21,692	6	3	2	..	1	..	..	1
Northampton,	20,314	3	3	1	1	..	..	..	1
Beverly,	15,807	3	..	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	2	1	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	..	..	..	..	..	..	..	..
Newburyport,	14,478	2	0	..	..	..	..	..	..
Woburn,	14,315	3	2	2	..	..	..	..	2
Melrose,	13,819	3	1	2	..	1	..	..	..
Westfield,	13,809	3	..	1	..	1	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	2	0	1	..	..	..	..	..
Revere,	13,609	1	..	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	2	..	..	..	..	..	..	..
Southbridge,	11,716	5	3	3	..	..	..	..	3
Watertown,	11,575	5	3	2	..	..	..	..	2
Weymouth,	11,350	1	0	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns,	2,142,640	710	342	277	40	50	9	3	201

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 39 Cities and Larger Towns of Massachusetts.

Two hundred and seventy-seven deaths were reported from the principal infectious diseases: measles, 4; scarlet fever, 1; cerebro-spinal meningitis, 6; diphtheria and croup, 9; typhoid fever, 3; diarrhœal diseases, 201; whooping-cough, 2; erysipelas, 1.

No deaths were reported from malarial fever, puerperal fever, influenza or small-pox.

There were 50 deaths from consumption, acute lung diseases, 40, still-births, 50.

From measles: Boston, 2; Lowell, 1; Chelsea, 1. From scarlet fever: Lowell, 1. From cerebro-spinal meningitis: Boston, 3; Lynn, 2; Marlborough, 1. From diphtheria and croup: Boston, 4; Fall River, Lynn, Springfield, Brockton and Chelsea, 1 each. From whooping-cough: Boston and Melrose, 1 each. From erysipelas: Taunton, 1. From typhoid fever: Boston, 2; Lowell, 1.

Deaths under five years of age numbered 342, as compared with 262 for the preceding week.

Deaths from the principal infectious diseases numbered 277, as compared with 203 for the preceding week.

The death rates for the week were: Boston, 17.42; Worcester, 11.77; Fall River, 27.88; Lowell, 26.40; Cambridge, 8.23; Lynn, 19.71; Lawrence, 20.84; Springfield, 25.27; Somerville, 11.81; New Bedford, 26.42; Holyoke, 18.52; Brockton, 21.20; Newton, 7.94; Haverhill, 9.32; Malden, 8.38; Salem, 33.55; Chelsea, 17.10; Fitchburg, ——; Taunton, 13.53; Everett, 12.05; No. Adams, 14.25; Quincy, 15.52; Gloucester, ——; Waltham, 12.09; Brookline, 8.82; Pittsfield, ——; Medford, 18.94; Chicopee, 14.38; Northampton, 7.68; Beverly, 9.87; Leominster, ——; Clinton, 6.62; Adams, ——; Attleborough, ——; Hyde Park, ——; Newburyport, 7.18; Woburn, 10.90; Melrose, 11.29; Westfield, 11.29; Milford, ——; Marlborough, 7.64; Revere, 3.82; Framingham, ——; Peabody, ——; Gardner, 8.44; Southbridge, 22.19; Watertown, 22.46; Weymouth, 4.58; Plymouth, ——.

The total death rate for the week was 17.23, as compared with 16.45 and 13.77 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending July 30, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	21	Typhoid fever,	41
Diphtheria and croup,	81	Measles,	58
Small-pox,	0		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, July 30, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 24,	30.10	61	63	59	89	94	92	N.	E.	8	7	R.	R.		0.05
Monday, 25,	30.14	69	78	60	100	78	89	N. E.	S.	4	8	R.	C.		0.02
Tuesday, 26,	30.18	74	84	64	95	70	78	S. E.	S.	7	10	O.	C.		0.00
Wednesday, 27,	30.11	76	83	70	86	76	81	S. W.	S. W.	10	10	F.	C.		0.11
Thursday, 28,	30.08	75	85	65	82	80	81	S. W.	S. W.	7	8	F.	F.		0.00
Friday, 29,	29.99	72	81	64	84	50	67	S. W.	W.	10	10	R.	C.		0.06
Saturday, 30,	30.15	68	77	59	51	56	54	N. W.	S. W.	8	12	F.	O.		0.00
Week,	30.11		79	63			77								0.24

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Aug. 6, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 32.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Aug. 6, 1904.

Deaths reported to the State Board of Health in 39 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	617,950	250	107	68	16	25	1	5	32
Worcester,	136,925	44	13	9	2	1	..	..	7
Fall River,	119,349	37	23	19	1	3	..	1	15
Lowell,	104,402	45	32	..	3	..	..	..	..
Cambridge,	100,998	28	14	11	..	..	..	..	11
Lynn,	73,875	24	13	7	1	3	..	1	3
Lawrence,	72,348	20	13	14	..	4	..	..	9
Springfield,	72,020	17	7	7	1	1	..	..	6
Somerville,	70,413	18	5	7	3	3	..	..	4
New Bedford,	68,863	24	15	14	..	..	..	..	14
Holyoke,	50,538	15	7	7	1	2	..	..	5
Brockton,	46,601	13	6	2	..	2	..	..	..
Newton,	39,310	7	2	4	..	1	..	..	3
Haverhill,	39,061	9	6	3	..	..	..	..	3
Malden,	37,205	9	6	3	1	..	..	..	3
Salem,	37,188	15	9	3	..	..	..	..	3
Chelsea,	36,499	17	4	2	2	1	..	..	1
Fitchburg,	36,335	5	3	..	..	..	..	..	..
Taunton,	34,577	15	9	9	..	1	..	..	8
Everett,	30,209	8	5	1	..	1	..	..	..
North Adams,	29,201	9	4	3	..	..	2	..	..
Quincy,	26,798	4	1	1	..	1	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	7	1	2	..	1	..	..	1
Brookline,	23,576	1	..	..	..	..	..	..	..
Pittsfield,	22,870	12	5	5	1	1	..	..	3
Medford,	21,956	3	3	1	..	..	..	..	1
Chicopee,	21,692	4	3	1	..	..	..	..	1
Northampton,	20,314	8	4	4	..	..	..	..	4
Beverly,	15,807	4	..	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	2	0	1	..	..	..	..	1
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	..	..	..	..	..	..	..	..
Newburyport,	14,478	5	2	2	..	1	..	..	1
Woburn,	14,315	5	1	1	..	..	..	..	1
Melrose,	13,819	3	0	..	..	..	..	..	..
Westfield,	13,809	5	3	..	..	..	..	..	..
Milford,	13,771	..	..	..	1	..	..	..	..
Marlborough,	13,609	1	0	..	..	..	..	..	..
Revere,	13,609	5	2	1	..	..	..	..	1
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	..	..	..	..	..	..	..	..
Southbridge,	11,716	3	3	3	..	..	..	..	3
Watertown,	11,575	2	2	1	..	..	..	..	1
Weymouth,	11,350	2	1	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns,	2,166,651	705	334	216	33	52	3	7	145

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 39 Cities and Larger Towns of Massachusetts.

Two hundred and sixteen deaths were reported from the principal infectious diseases: measles, 1; cerebro-spinal meningitis, 6; diphtheria and croup, 3; typhoid fever, 7; diarrhœal diseases, 145; erysipelas, 1; small-pox, 1.

No deaths were reported from malarial fever, scarlet fever, puerperal fever, influenza or whooping-cough.

There were 52 deaths from consumption, acute lung diseases, 33, still-births, 43.

From measles: Boston, 1. From cerebro-spinal meningitis: Boston, 4; Worcester, 1; Pittsfield, 1. From diphtheria and croup: Boston, 1; North Adams, 2. From erysipelas: Lawrence, 1. From typhoid fever: Boston, 5; Fall River, 1; Lynn, 1. From small-pox: North Adams, 1.

Deaths under five years of age numbered 334, as compared with 342 for the preceding week.

Deaths from the principal infectious diseases numbered 216, as compared with 277 for the preceding week.

The death rates for the week were: Boston, 21.04; Worcester, 16.71; Fall River, 16.12; Lowell, 22.41; Cambridge, 14.41; Lynn, 16.89; Lawrence, 14.37; Springfield, 12.27; Somerville, 13.29; New Bedford, 18.12; Holyoke, 15.43; Brockton, 14.50; Newton, 9.26; Haverhill, 11.98; Malden, 12.57; Salem, 20.97; Chelsea, 24.22; Fitchburg, 7.15; Taunton, 22.56; Everett, 13.77; No. Adams, 16.03; Quincy, 7.76; Gloucester, ——; Waltham, 14.10; Brookline, 2.20; Pittsfield, 27.29; Medford, 7.10; Chicopee, 9.59; Northampton, 20.47; Beverly, 13.16; Leominster, ——; Clinton, 6.62; Adams, ——; Attleborough, ——; Hyde Park, ——; Newburyport, 17.96; Woburn, 18.16; Melrose, 11.29; Westfield, 18.82; Milford, ——; Marlborough, 3.82; Revere, 19.10; Framingham, ——; Peabody, ——; Gardner, ——; Southbridge, 13.31; Watertown, 8.98; Weymouth, 9.16; Plymouth, ——.

The total death rate for the week was 16.92, as compared with 17.23 and 16.45 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Aug. 6, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	30	Typhoid fever,	55
Diphtheria and croup,	63	Measles,	33
Small-pox,	2		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Aug. 6, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, July 31,	30.00	76	89	63	77	69	73	S. W.	S. W.	13	25	F.	C.		0.00
Monday, Aug. 1,	29.96	80	89	72	77	74	76	S. W.	S. W.	14	8	C.	O.		0.01
Tuesday, . . 2,	29.96	72	76	68	85	90	88	E.	S.	3	4	R.	O.		0.59
Wednesday, . 3,	30.06	66	70	62	81	97	89	N.	E.	8	8	C.	R.		T
Thursday, . . 4,	30.16	66	70	61	94	88	91	E.	S.	5	8	T.	C.		T
Friday, . . 5,	30.06	71	77	65	76	83	80	S.	S.	7	8	F.	O.		0.00
Saturday, . . 6,	29.83	74	81	67	90	86	88	S.	S.	5	10	O.	C.		0.25
Week, . . .	30.00		79	65			84								0.85

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Aug. 13, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 33.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Aug. 13, 1904.

Deaths reported to the State Board of Health in 40 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	617,950	236	103	90	12	17	4	2	66
Worcester,	136,925	36	14	10	2	3	..	..	5
Fall River,	119,349	44	29	26	..	3	..	1	22
Lowell,	104,402	33	17	14	..	2	..	..	11
Cambridge,	100,998	23	14	10	..	2	..	..	7
Lynn,	73,875	15	5	4	..	..	..	..	4
Lawrence,	72,348	32	..	7	3	..	..	1	6
Springfield,	72,020	15	5	4	..	2	..	1	1
Somerville,	70,413	11	6	2	..	1	..	..	1
New Bedford,	68,863	37	21	14	1	4	..	..	10
Holyoke,	50,538	18	11	10	1	2	1	..	6
Brockton,	46,601	22	5	6	..	2	..	..	4
Newton,	39,310	8	2	3	..	1	..	1	1
Haverhill,	39,061	9	4	4	..	2	..	..	2
Malden,	37,205	16	6	5	..	..	..	..	5
Salem,	37,188	16	6	5	..	..	..	..	5
Chelsea,	36,499	17	5	2	..	..	..	..	1
Fitchburg,	36,335	12	9	1	..	1	..	..	..
Taunton,	34,577	15	7	8	..	2	..	..	6
Everett,	30,209	6	3	..	..	..	..	..	..
North Adams,	29,201	4	2	1	..	..	..	..	..
Quincy,	26,798	4	3	3	..	..	..	..	3
Gloucester,	26,121	7	2	1	..	1	..	..	..
Waltham,	25,797	5	..	1	..	1	..	..	..
Brookline,	23,576	..	..	..	..	..	..	..	..
Pittsfield,	22,870	..	..	..	..	..	..	..	..
Medford,	21,956	6	4	1	..	..	..	..	1
Chicopee,	21,692	14	7	6	..	1	..	..	5
Northampton,	20,314	10	4	5	..	..	..	..	4
Beverly,	15,807	4	1	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	5	2	..	..	..	..	..	..
Adams,	14,745	7	4	6	..	..	..	..	4
Attleborough,	14,561	1	1	1	..	..	..	..	1
Hyde Park,	14,500	..	..	..	..	..	..	..	..
Newburyport,	14,478	..	..	..	..	..	..	..	..
Woburn,	14,315	7	2	2	1	1	..	..	1
Melrose,	13,819	1	..	..	..	..	..	..	..
Westfield,	13,809	1	1	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	5	1	1	1	..	..	..	1
Revere,	13,609	7	5	..	..	..	..	..	..
Framingham,	12,974	4	..	..	1	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	2	..	..	..	..	..	..	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	3	2	2	..	1	..	..	1
Weymouth,	11,350	8	4	3	..	..	..	..	3
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns,	2,174,736	726	317	258	22	49	5	6	187

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 40 Cities and Larger Towns of Massachusetts.

Two hundred and fifty-eight deaths were reported from the principal infectious diseases: measles, 1; cerebro-spinal meningitis, 5; diphtheria and croup, 5; typhoid fever, 6; diarrhœal diseases, 187; whooping-cough, 3; small-pox, 1.

No deaths were reported from malarial fever, puerperal fever, scarlet fever, erysipelas or influenza.

There were 49 deaths from consumption, acute lung diseases, 22, still-births, 50.

From measles: Lowell, 1. From cerebro-spinal meningitis: Worcester, 2; Cambridge, 1; Chelsea, 1; Adams, 1. From typhoid fever: Boston, 2; Fall River, 1; Lawrence, 1; Springfield, 1; Newton, 1. From diphtheria and croup: Boston, 4; Holyoke, 1. From whooping-cough: Boston, 1; Holyoke, 1; Northampton, 1. From small-pox: North Adams, 1.

Deaths under five years of age numbered 317, as compared with 334 for the preceding week.

Deaths from the principal infectious diseases numbered 258, as compared with 216 for the preceding week.

The death rates for the week were: Boston, 19.86; Worcester, 13.67; Fall River, 19.17; Lowell, 16.43; Cambridge, 11.84; Lynn, 10.55; Lawrence, 23.00; Springfield, 10.83; Somerville, 8.11; New Bedford, 27.93; Holyoke, 18.52; Brockton, 24.55; Newton, 10.58; Haverhill, 11.98; Malden, 22.35; Salem, 22.37; Chelsea, 24.22; Fitchburg, 17.17; Taunton, 22.56; Everett, 10.32; No. Adams, 7.12; Quincy, 7.76; Gloucester, 13.93; Waltham, 10.05; Brookline, ——; Pittsfield, ——; Medford, 14.20; Chicopee, 33.55; Northampton, 25.59; Beverly, 13.16; Leominster, ——; Clinton, 16.56; Adams, 24.97; Attleborough, 3.57; Hyde Park, ——; Newburyport, ——; Woburn, 25.42; Melrose, 3.76; Westfield, 3.76; Milford, ——; Marlborough, 19.10; Revere, 26.75; Framingham, 16.03; Peabody, ——; Gardner, 8.44; Southbridge, ——; Watertown, 13.47; Weymouth, 36.64; Plymouth, ——.

The total death rate for the week was 17.36, as compared with 16.92 and 17.23 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Aug. 13, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	30	Typhoid fever,	68
Diphtheria and croup,	81	Measles,	38
Small-pox,	6		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Aug. 13, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 7,	29.90	76	84	69	65	56	60	W.	W.	8	6	C.	F.		0.00
Monday, 8,	30.04	70	76	63	88	65	76	S.	W.	16	16	R.	F.		0.02
Tuesday, 9,	30.42	64	71	58	50	68	59	N. W.	S.	8	9	C.	C.		0.00
Wednesday, 10,	30.29	62	66	59	70	97	84	S.	E.	4	5	O.	O.		0.26
Thursday, 11,	30.00	72	82	61	88	70	79	W.	W.	7	8	O.	C.		0.17
Friday, 12,	30.23	63	66	60	89	89	89	N.	E.	12	4	O.	C.		0.00
Saturday, 13,	30.14	63	70	56	86	59	72	E.	S.	3	9	C-G.	F-G.		T
Week,	30.15		74	61			74								0.45

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of July, 1904: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	295	67	362	Canned Goods,	..	..	..
Butter,	13	..	13	Honey,	1	..	1
Cheese,	2	..	2	Tea,	7	..	7
Lard,	1	..	1	Coffee,	4	..	4
Olive Oil,	..	..	..	Cocoa	..	1	1
Vinegar,	3	10	13	Confectionery,	3	..	3
Spices,	60	5	65	Lemon Extract,	1	..	1
Cream of Tartar,	19	..	19	Vanilla Extract,	1	..	1
Molasses,	14	1	15	Miscellaneous,	1	..	1
Condensed Milk,	10	..	10	Drugs,	29	6	35
Maple Sugar,	..	..	..				
Maple Syrup,	..	6	6				
				Totals,	464	96	560

Percentage of adulteration, 17.1. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 18.5 per cent., while the percentage of articles of food was 14.1 per cent.

Two samples of milk were found to be colored with anilin orange.

Four samples were preserved with formaldehyde.

One complaint was entered in court during the month for violation of the laws relative to the inspection of Food and Drugs, namely: —

Suel C. Winn, Nantucket, sample of milk. Total solids, 9.36.

This party was found guilty in the lower court, in October, and fined $75.00; he appealed and was found not guilty in the Superior Court.

The samples of drugs found adulterated: were Extractum Glycyrrhizæ, Oleum Morrhuæ and Tinctura Iodi.

Cities and towns from which samples of food were collected were: Boston, Cambridge, Brockton, Newton, Middleborough, Marlborough, Onset, Provincetown, Somerville, Holyoke, Weymouth, Ware, Northampton, Brant Rock, Natick, Salem, Springfield, Gloucester, Amherst, Hingham, Pittsfield, Salisbury, Palmer, Lawrence, Winthrop, Millis, Medway, Holliston, Reading, Lowell, Tyngsborough, Worcester, Weston, Sudbury, Wayland and Brookline.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Aug. 20, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 34.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Aug. 20, 1904.

Deaths reported to the State Board of Health in 38 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from: Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	617,950	217	90	89	12	23	..	5	53
Worcester,	136,925	35	11	3	2	..	..	..	2
Fall River,	119,349	62	35	27	3	4	..	..	23
Lowell,	104,402	38	22	18	3	2	3	..	13
Cambridge,	100,998	12	5	6	..	..	..	1	5
Lynn,	73,875	22	10	6	1	..	..	..	6
Lawrence,	72,348	23	11	11	..	..	..	..	11
Springfield,	72,020	23	6	4	..	..	..	..	4
Somerville,	70,413	16	4	2	..	..	..	..	1
New Bedford,	68,863	36	26	19	..	2	..	1	16
Holyoke,	50,538	16	11	9	..	..	..	..	9
Brockton,	46,601	14	7	4	..	1	..	..	3
Newton,	39,310	6	3	2	..	1	..	1	..
Haverhill,	39,061	11	..	1	1	1	..	..	..
Malden,	37,205	15	8	5	3	1	..	..	4
Salem,	37,188	17	10	9	..	1	..	..	8
Chelsea,	36,499	9	3	..	..	..	..	..	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	13	6	5	1	..	..	..	5
Everett,	30,209	5	2	..	..	..	..	..	..
North Adams,	29,201	8	3	1	..	..	..	..	1
Quincy,	26,798	5	1	1	..	..	..	..	1
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	17	1	5	..	..	..	2	3
Brookline,	23,576	6	1	2	..	1	..	..	1
Pittsfield,	22,870	3	..	1	..	1	..	..	..
Medford,	21,956	2	2	1	..	..	..	..	1
Chicopee,	21,692	6	5	2	..	..	..	..	2
Northampton,	20,314	10	4	4	..	1	..	..	3
Beverly,	15,807	1	..	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	3	2	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	..	..	..	..	..	..	..	..
Newburyport,	14,478	4	0	1	..	..	..	..	1
Woburn,	14,315	6	..	2	..	..	..	..	2
Melrose,	13,819	7	2	2	..	1	..	1	..
Westfield,	13,809	3	2	1	..	1	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	2	..	1	..	..	..	..	1
Revere,	13,609	5	1	1	..	1	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	..	..	..	..	..	..	..	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	3	1	2	..	1	..	..	..
Weymouth,	11,350	3	0	..	..	..	..	..	..
Plymouth,	11,139	3	1	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns,	2,129,739	687	296	247	26	43	3	11	179

Note. — *The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 38 Cities and Larger Towns of Massachusetts.

Two hundred and forty-seven deaths were reported from the principal infectious diseases: measles, 2; cerebro-spinal meningitis, 4; diphtheria and croup, 3; typhoid fever, 11; diarrhœal diseases, 179; erysipelas, 2; whooping-cough, 3.

No deaths were reported from malarial fever, scarlet fever, puerperal fever, influenza or small-pox

There were 43 deaths from consumption, acute lung diseases, 26, still-births, 31.

From measles: Boston, 2. From cerebro-spinal meningitis: Boston, Worcester, Somerville and Watertown, 1 each. From diphtheria and croup: Lowell, 3. From whooping-cough: Boston, 3. From erysipelas: Boston, 2. From typhoid fever: Boston, 5; Waltham, 2; Cambridge, New Bedford, Newton and Melrose, 1 each.

Deaths under five years of age numbered 296, as compared with 317 for the preceding week.

Deaths from the principal infectious diseases numbered 247, as compared with 258 for the preceding week.

The death rates for the week were: Boston, 18.26; Worcester, 13.28; Fall River, 27.01; Lowell, 18.93; Cambridge, 6.18; Lynn, 15.48; Lawrence, 16.53; Springfield, 16.60; Somerville, 11.81; New Bedford, 27.18; Holyoke, 16.46; Brockton, 15.62; Newton, 7.94; Haverhill, 14.64; Malden, 20.95; Salem, 23.76; Chelsea, 12.82; Fitchburg, ——; Taunton, 19.55; Everett, 8.60; No. Adams, 14.25; Quincy, 9.70; Gloucester, ——; Waltham, 34.25; Brookline, 13.23; Pittsfield, 6.82; Medford, 4.74; Chicopee, 14.38; Northampton, 25.59; Beverly, 3.29; Leominster, ——; Clinton, 9.93; Adams, ——; Attleborough, ——; Hyde Park, ——; Newburyport, 14.37; Woburn, 21.79; Melrose, 26.34; Westfield, 11.29; Milford, ——; Marlborough, 7.64; Revere, 19.10; Framingham, ——; Peabody, ——; Gardner, ——; Southbridge, ——; Watertown, 13.47; Weymouth, 13.74; Plymouth, 14.00.

The total death rate for the week was 16.74, as compared with 17.36 and 16.92 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Aug. 20, 1904.

(Under the Provisions of section 52 of chapter 73, of the Revised Laws of Massachusetts.)

Scarlet fever,	29	Typhoid fever,	57
Diphtheria and croup,	89	Measles,	12
Small-pox,	0		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Aug. 20, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 14,	29.84	68	73	62	85	87	86	S. W.	S.	8	9	O.	F.		0.06
Monday, 15,	29.92	72	82	63	76	65	70	W.	N. E.	7	2	C.	C.		0.00
Tuesday, 16,	29.92	73	81	65	73	90	82	W.	S.	4	5	C.	O.		0.03
Wednesday, 17,	29.84	75	84	66	81	54	68	W.	W.	9	8	F.	C.		0.00
Thursday, 18,	29.98	69	79	59	74	48	61	W.	N. W.	8	18	O.	C.		0.00
Friday, 19,	30.23	63	70	55	58	60	59	N. W.	S.	10	8	C.	F.		0.00
Saturday, 20,	29.97	68	75	61	89	82	86	S. E.	S. W.	15	26	R.	R.		0.79
Week,	29.96		78	62			73								0.88

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

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MORTALITY OF MASSACHUSETTS

For the Week ending Aug. 27, 1904.

Deaths reported to the State Board of Health in 39 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	617,950	152	61	51	8	16	2	1	32
Worcester,	136,925	33	16	12	2	2	..	..	7
Fall River,	119,349	45	23	24	2	8	..	1	15
Lowell,	104,402	47	26	21	..	5	2	1	13
Cambridge,	100,998	27	8	5	3	2	..	..	3
Lynn,	73,875	15	2	3	1	2	..	..	1
Lawrence,	72,348	26	15	14	3	2	..	1	11
Springfield,	72,020	..	..	..	..	..	..	..	..
Somerville,	70,413	21	7	5	..	..	1	2	2
New Bedford,	68,863	45	28	20	2	1	..	1	18
Holyoke,	50,538	8	5	3	..	..	..	..	3
Brockton,	46,601	7	4	..	..	..	..	..	..
Newton,	39,310	13	6	3	..	1	..	..	2
Haverhill,	39,061	7	..	..	..	..	..	..	..
Malden,	37,205	10	4	2	..	1	..	1	..
Salem,	37,188	12	3	4	2	2	..	..	2
Chelsea,	36,499	10	5	..	..	..	..	..	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	18	5	9	2	2	..	..	7
Everett,	30,209	4	1	..	..	..	..	..	..
North Adams,	29,201	5	2	1	..	..	..	..	1
Quincy,	26,798	7	4	2	..	2	..	..	..
Gloucester,	26,121	5	2	1	..	1	..	..	..
Waltham,	25,797	8	1	..	..	..	..	..	..
Brookline,	23,576	3	1	1	..	..	..	..	1
Pittsfield,	22,870	5	3	1	..	..	..	..	1
Medford,	21,956	4	1	2	..	1	..	..	1
Chicopee,	21,692	6	2	1	..	..	..	1	..
Northampton,	20,314	7	4	..	..	..	..	..	..
Beverly,	15,807	4	4	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	2	1	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	5	3	2	..	1	..	..	1
Newburyport,	14,478	4	0	..	..	..	..	..	..
Woburn,	14,315	4	2	2	..	1	..	..	1
Melrose,	13,819	..	..	..	..	..	..	..	..
Westfield,	13,809	6	4	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	5	0	1	..	..	..	1	..
Revere,	13,609	4	2	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	5	1	3	..	1	..	1	1
Southbridge,	11,716	2	1	2	..	..	..	..	2
Watertown,	11,575	1	0	..	..	..	..	..	..
Weymouth,	11,350	5	1	3	..	2	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns,	2,097,422	597	258	198	25	53	5	11	125

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 39 Cities and Larger Towns of Massachusetts.

One hundred and ninety-eight deaths were reported from the principal infectious diseases: cerebro-spinal meningitis, 3; diphtheria and croup, 5; typhoid fever, 11; diarrhœal diseases, 125; erysipelas, 1.

No deaths were reported from small-pox, measles, scarlet fever, whooping-cough, puerperal fever, malarial fever, or influenza.

There were 53 deaths from consumption, acute lung diseases, 25, still-births, 46.

From cerebro-spinal meningitis: Worcester, 2; Weymouth, 1. From diphtheria and croup: Boston, 2; Lowell, 2; Somerville, 1. From erysipelas: Worcester, 1. From typhoid fever: Somerville, 2; Boston, Fall River, Lowell, Lawrence, New Bedford, Malden, Chicopee, Marlborough and Gardner, 1 each.

Deaths under five years of age numbered 258, as compared with 296 for the preceding week.

Deaths from the principal infectious diseases numbered 198, as compared with 247 for the preceding week.

The death rates for the week were: Boston, 12.79; Worcester, 12.53; Fall River, 19.60; Lowell, 23.41; Cambridge, 13.90; Lynn, 10.56; Lawrence, 18.69; Springfield, ——; Somerville, 15.51; New Bedford, 34.07; Holyoke, 8.23; Brockton, 7.81; Newton, 17.20; Haverhill, 9.31; Malden, 13.97; Salem, 16.77; Chelsea, 14.25; Fitchburg, ——; Taunton, 27.07; Everett, 6.88; No. Adams, 8.90; Quincy, 13.58; Gloucester, 9.95; Waltham, 16.12; Brookline, 6.61; Pittsfield, 11.37; Medford, 9.47; Chicopee, 14.38; Northampton, 17.91; Beverly, 13.16; Leominster, ——; Clinton, 6.63; Adams, ——; Attleborough, ——; Hyde Park, 17.93; Newburyport, 14.37; Woburn, 14.53; Melrose, ——; Westfield, 22.59; Milford, ——; Marlborough, 19.10; Revere, 15.28; Framingham, ——; Peabody, ——; Gardner, 21.09; Southbridge, 8.88; Watertown, 4.49; Weymouth, 22.90; Plymouth, ——.

The total death rate for the week was 14.80, as compared with 16.74 and 17.36 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Aug. 27, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	26	Typhoid fever,	79
Diphtheria and croup,	83	Measles,	10
Small-pox,	10		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Aug. 27, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 21,	29.98	72	78	65	72	67	70	N. W.	E.	16	3		C.	C.			0.01
Monday, 22,	30.06	72	81	62	90	84	87	S.	S. W.	11	12		O.	C.			0.00
Tuesday, 23,	30.20	66	72	60	59	59	59	N.	E.	14	2		C.	C.			0.00
Wednesday, 24,	30.20	70	81	58	69	79	74	W.	S. W.	4	11		C.	C.			0.00
Thursday, 25,	29.96	72	82	61	80	77	78	S. W.	S. W.	10	15		C.	C.			0.00
Friday, 26,	29.92	66	76	57	63	60	62	W.	N.	12	9		O.	C.			0.00
Saturday, 27,	30.18	62	73	52	60	70	65	N. W.	S. W.	5	11		C.	C.			0.00
Week,	30.07		78	59			71										0.01

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

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OF

MASSACHUSETTS

FOR THE

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VOL. XXII. No. 36.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Sept. 3, 1904.

Deaths reported to the State Board of Health in 41 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	617,950	199	77	62	7	17	3	4	37
Worcester,	136,925	37	15	9	2	1	..	..	7
Fall River,	119,349	28	14	14	3	5	..	..	9
Lowell,	104,402	27	11	8	..	2	..	1	5
Cambridge,	100,998	22	12	8	1	2	..	1	5
Lynn,	73,875	26	6	6	1	2	..	..	3
Lawrence,	72,348	17	9	7	2	1	1	..	5
Springfield,	72,020	22	7	5	..	2	..	..	3
Somerville,	70,413	13	2	2	1	1	..	..	1
New Bedford,	68,863	29	17	15	2	2	1	..	12
Holyoke,	50,538	18	10	9	1	4	..	..	5
Brockton,	46,601	17	4	2	..	2	..	..	.
Newton,	39,310	13	3	..	..	..	..	..	..
Haverhill,	39,061	3	..	1	..	1	..	..	..
Malden,	37,205	5	3	4	1	..	..	1	3
Salem,	37,188	11	7	3	..	..	..	..	3
Chelsea,	36,499	13	10	..	..	..	..	..	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	12	6	7	1	1	..	..	6
Everett,	30,209	2	..	..	..	..	..	..	..
North Adams,	29,201	12	6	4	..	..	..	..	3
Quincy,	26,798	7	5	5	..	1	..	..	4
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	10	4	4	..	2	..	..	2
Brookline,	23,576	1	..	..	..	..	..	..	..
Pittsfield,	22,870	12	3	3	1	1	..	..	2
Medford,	21,956	6	2	2	..	..	..	..	2
Chicopee,	21,692	6	5	2	1	..	..	..	2
Northampton,	20,314	..	..	..	..	..	..	..	..
Beverly,	15,807	4	..	1	..	1	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	3	0	1	..	1	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	4	..	2	..	1	..	..	1
Hyde Park,	14,500	3	1	1	..	1	..	..	..
Newburyport,	14,478	10	4	3	..	..	..	..	3
Woburn,	14,315	7	3	1	..	..	..	..	1
Melrose,	13,819	2	1	..	..	..	..	..	..
Westfield,	13,809	2	..	1	..	1	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	1	0	1	..	1	..	..	..
Revere,	13,609	4	1	1	..	1	..	..	..
Framingham,	12,974	3	0	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	3	1	1	..	1	..	..	..
Southbridge,	11,716	1	..	1	..	..	1	..	..
Watertown,	11,575	5	1	..	1	..	..	..	..
Weymouth,	11,350	3	1	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns,	2,164,361	623	251	196	25	55	6	7	124

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 41 Cities and Larger Towns of Massachusetts.

One hundred and ninety-six deaths were reported from the principal infectious diseases: cerebro-spinal meningitis, 1; diphtheria and croup, 6; typhoid fever, 7; diarrhœal diseases, 124; whooping-cough, 2; small-pox, 1.

No deaths were reported from malarial fever, scarlet fever, puerperal fever, influenza, measles or erysipelas.

There were 55 deaths from consumption, acute lung diseases, 25, still-births, 48.

From cerebro-spinal meningitis: Worcester, 1. From diphtheria and croup: Boston, 3; Lawrence, New Bedford and Southbridge, 1 each. From whooping-cough: Boston, 1; Lynn, 1. From typhoid fever: Boston, 4; Lowell, Cambridge and Malden, 1 each. From small-pox: North Adams, 1.

Deaths under five years of age numbered 251, as compared with 258 for the preceding week.

Deaths from the principal infectious diseases numbered 196, as compared with 198 for the preceding week.

The death rates for the week were: Boston, 16.75; Worcester, 14.05; Fall River, 12.20; Lowell, 13.46; Cambridge, 11.32; Lynn, 18.30; Lawrence, 12.22; Springfield, 15.88; Somerville, 9.60; New Bedford, 21.89; Holyoke, 18.52; Brockton, 18.97; Newton, 17.20; Haverhill, 3.99; Malden, 6.98; Salem, 15.38; Chelsea, 18.52; Fitchburg, ——; Taunton, 18.04; Everett, 3.44; No. Adams, 21.37; Quincy, 13.58; Gloucester, ——; Waltham, 20.15; Brookline, 2.20; Pittsfield, 27.28; Medford, 14.20; Chicopee, 14.38; Northampton, ——; Beverly, 13.16; Leominster, ——; Clinton, 9.93; Adams, ——; Attleborough, 14.28; Hyde Park, 10.76; Newburyport, 35.92; Woburn, 25.42; Melrose, 7.52; Westfield, 7.53; Milford, ——; Marlborough, 3.82; Revere, 15.28; Framingham, 12.02; Peabody, ——; Gardner, 12.66; Southbridge, 8.87; Watertown, 22.46; Weymouth, 14.74; Plymouth, ——.

The total death rate for the week was 14.96, as compared with 14.80 and 16.74 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Sept. 3, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	25	Typhoid fever,	107
Diphtheria and croup,	135	Measles,	11
Small-pox,	16		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Sept. 3, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, Aug. 28,	30.06	68	81	56	69	64	66	W.	S. W.	8	11	C.	C.		0.00
Monday, 29,	29.98	72	82	61	69	47	58	S. W.	N.	11	12	O.	C.		0.00
Tuesday, 30,	30.20	60	64	55	58	78	68	N. E.	S. E.	7	8	C.	C.		0.00
Wednesday, 31,	30.23	64	73	56	67	68	68	S. W.	S. E.	7	4	O.	C.		0.00
Thursday, Sept. 1,	30.26	64	72	56	75	75	75	N. E.	S.	4	11	O.	O.		0.00
Friday, 2,	30.12	70	79	62	78	82	80	S. W.	S.	14	12	O.	C.		0.00
Saturday, 3,	30.04	76	85	68	78	84	81	S. W.	S.	9	10	C.	C.		0.00
Week,	30.13		77	59			71								0.00

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Sept. 10, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

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MORTALITY OF MASSACHUSETTS

For the Week ending Sept. 10, 1904.

Deaths reported to the State Board of Health in 43 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	617,950	192	77	64	15	20	2	3	34
Worcester,	136,925	36	..	7	2	2	..	..	3
Fall River,	119,349	..	..	..	..	..	..	..	..
Lowell,	104,402	37	18	12	1	5	..	..	6
Cambridge,	100,998	24	9	10	1	3	..	..	6
Lynn,	73,875	20	..	3	..	2	..	..	..
Lawrence,	72,348	24	10	7	..	..	..	..	7
Springfield,	72,020	22	11	7	1	3	..	..	4
Somerville,	70,413	18	5	7	2	3	..	..	3
New Bedford,	68,863	33	19	18	..	1	..	..	17
Holyoke,	50,538	18	5	5	2	2	..	..	3
Brockton,	46,601	9	2	1	..	1	..	..	..
Newton,	39,310	8	3	4	..	2	1	..	1
Haverhill,	39,061	7	4	1	..	1	..	..	..
Malden,	37,205	9	3	3	1	..	..	..	3
Salem,	37,188	11	6	2	..	..	..	..	2
Chelsea,	36,499	13	4	3	2	2	..	1	..
Fitchburg,	36,335	8	4	..	..	..	..	..	..
Taunton,	34,577	7	1	..	1	..	..	..	..
Everett,	30,209	9	3	2	..	2	..	..	..
North Adams,	29,201	6	2	1	..	..	..	..	..
Quincy,	26,798	10	3	6	1	2	1	1	2
Gloucester,	26,121	10	2	1	1	1	..	..	..
Waltham,	25,797	5	1	2	..	..	..	..	2
Brookline,	23,576	1	..	..	..	..	..	..	..
Pittsfield,	22,870	4	1	1	..	..	..	1	..
Medford,	21,956	7	1	2	1	1	..	..	1
Chicopee,	21,692	5	3	1	..	1	..	..	..
Northampton,	20,314	5	3	1	..	1	..	..	..
Beverly,	15,807	2	..	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	2	1	1	..	1	..	..	..
Adams,	14,745	5	3	1	1	..	..	..	1
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	1	..	1	..	1	..	..	..
Newburyport,	14,478	7	3	2	..	1	..	..	1
Woburn,	14,315	1	1	1	..	..	..	..	1
Melrose,	13,819	3	2	..	..	..	..	..	..
Westfield,	13,809	4	..	..	1	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	3	0	1	..	1	..	..	..
Revere,	13,609	6	4	..	..	..	..	..	..
Framingham,	12,974	2	1	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	2	1	..	..	..	..	..	..
Southbridge,	11,716	3	3	3	..	..	2	..	..
Watertown,	11,575	1	1	1	..	..	..	..	1
Weymouth,	11,350	3	1	1	..	1	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns,	2,127,966	603	221	183	33	60	6	6	98

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 43 Cities and Larger Towns of Massachusetts.

One hundred and eighty-three deaths were reported from the principal infectious diseases: cerebro-spinal meningitis, 3; diphtheria and croup, 6; typhoid fever, 6; diarrhœal diseases, 98; whooping-cough, 5; small-pox, 1; scarlet fever, 2; puerperal fever, 2.

No deaths were reported from malarial fever, influenza, measles or erysipelas.

There were 60 deaths from consumption, acute lung diseases, 33, still-births, 43.

From scarlet fever: Boston, 2. From cerebro-spinal meningitis: Lynn, Somerville and Southbridge, 1 each. From diphtheria and croup: Boston, 2; Newton, 1; Quincy, 1; Southbridge, 2. From whooping-cough: Boston, 2; Worcester, 2; Cambridge, 1. From typhoid fever: Boston, 3; Chelsea, 1; Quincy, 1; Pittsfield, 1. From small-pox: North Adams, 1.

Deaths under five years of age numbered 221, as compared with 251 for the preceding week.

Deaths from the principal infectious diseases numbered 183, as compared with 196 for the preceding week.

The death rates for the week were: Boston, 16.15; Worcester, 13.67; Fall River, ——; Lowell, 18.43; Cambridge, 12.35; Lynn, 14.08; Lawrence, 17.25; Springfield, 15.88; Somerville, 13.29; New Bedford, 24.91; Holyoke, 18.52; Brockton, 10.04; Newton, 10.58; Haverhill, 9.31; Malden, 12.57; Salem, 15.37; Chelsea, 18.52; Fitchburg, 11.45; Taunton, 10.53; Everett, 15.49; No. Adams, 10.69; Quincy, 19.40; Gloucester, 19.90; Waltham, 10.07; Brookline, 2.20; Pittsfield, 9.10; Medford, 16.57; Chicopee, 11.98; Northampton, 12.79; Beverly, 6.58; Leominster, ——; Clinton, 6.62; Adams, 17.84; Attleborough, ——; Hyde Park, 3.59; Newburyport, 25.14; Woburn, 3.63; Melrose, 11.29; Westfield, 15.06; Milford, ——; Marlborough, 11.46; Revere, 22.92; Framingham, 8.00; Peabody, ——; Gardner, 8.44; Southbridge, 13.31; Watertown, 8.98; Weymouth, 13.74; Plymouth, ——.

The total death rate for the week was 14.73, as compared with 14.96 and 14.80 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Sept. 10, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	39	Typhoid fever,	94
Diphtheria and croup,	85	Measles,	12
Small-pox,	9		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Sept. 10, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 4,	29.92	72	81	62	93	62	78	W.	W.	7	6	O.	C.		0.03
Monday, 5,	30.04	65	72	58	66	68	67	N. W.	N.	7	17	O.	C.		0.00
Tuesday, 6,	30.26	56	62	51	69	66	68	N.	S.	14	9	C.	C.		0.00
Wednesday, 7,	30.18	62	72	52	74	79	76	W.	S. W.	3	14	C.	C.		0.00
Thursday, 8,	30.09	69	80	58	76	81	78	W.	E.	8	5	C.	R.		0.06
Friday, 9,	30.24	56	59	54	72	94	83	E.	N. E.	15	8	O.	R.		0.10
Saturday, 10,	30.24	59	66	52	88	91	90	N.	S. E.	5	2	O.	C.		0.03
Week,	30.14		70	55			77								0.22

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of August, 1904: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	308	99	407	Condensed Milk,	4	..	4
Butter,	3	..	3	Honey,	1	..	1
Cheese,	2	..	2	Tea,	1	..	1
Lard,	4	9	13	Coffee,	7	1	8
Olive Oil,	..	..	..	Confectionery,	1	..	1
Vinegar,	2	2	4	Lemon Extract,	..	1	1
Spices,	67	2	69	Vanilla Extract,	1	..	1
Cream of Tartar,	11	..	11	Miscellaneous,	6	3	9
Molasses,	7	..	7	Drugs,	27	13	40
Syrups,	..	..	..				
Maple Sugar,	..	..	..				
Maple Syrup,	..	9	9				
				Totals,	452	139	591

Percentage of adulteration, 23 5. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 24.3 per cent., while the percentage of articles of food was 18.7 per cent.

Two samples of milk were found to be colored with annatto. Two samples were preserved with formaldehyde.

Twelve complaints were entered in court during the month for violation of the laws relative to the inspection of Food and Drugs, namely: —

No.	Date of Trial.	Name of Defendant.	Place.	Character of Article Sold.	Result of Trial.
1	July 28,	Emil J. Koenig,	Holden,	Milk,	Conviction.
2	August 6,	Wm. H. Fegler,	Holliston,	Milk,	Conviction.
3	August 13,	Michael Quirk,	Medway,	Milk,	Conviction.
4	August 13,	Robert N. Rossborough,	Medway,	Milk,	Conviction.
5	August 20,	Andrew Biggi,	Carlisle,	Milk,	Conviction.
6	August 31,	Arthur G. Boynton,	Lowell,	Milk (colored),	Conviction.
7	August 31,	Arthur G. Boynton,	Lowell,	Milk (preserved),	Conviction.
8	August 31,	Walter Andrew,	Lowell,	Milk,	Conviction.
9	August 31,	Charles W. Curren,	Lowell,	Milk,	Conviction.
10	August 31,	Charles W. Curren,	Lowell,	Violation of Statute in reference to License,	Conviction.
11	August 31,	Henry J. Arsenault,	Lowell,	Milk,	Conviction.
12	August 31,	Henry J. Arsenault,	Lowell,	Violation of Statute in reference to License,	Conviction.

The total solids in samples of milk upon which the foregoing cases were entered were 9.18; 10.46; 10.68; 11.40; 11 34; 10.86; 10.17; 11.46 and 11.06.

Nos. 1, 5, 6, 7 and 11 were placed on file.

Nos. 3 and 4 were each fined $100.00; second offence.

Total amount of fines, $310.00.

The samples of drugs found adulterated were Alcohol, Oleum Caryophylli, Cinnamomum, Oleum Morrhuæ, Oleum Ricini, Sodii Boras and Tinctura Iodi.

Cities and towns from which samples of food were collected were: Boston, Cambridge, Waltham, Watertown, Carlisle, Bedford, Wareham, Newburyport, Holyoke, Somerville, Nantucket, Gloucester, Provincetown, Revere, Franklin, Worcester, Williamsville, Dedham, Framingham, Swansea, Lowell and Attleborough.

Commonwealth of Massachusetts.—State Board of Health.

Publication of Results of Analyses of Certain Articles of Food, required by Chapter 272 of the Acts of 1902, for the Months of July and August, 1904.

Number of Sample.	Date of Collection.	City or Town where Purchased.	Character of Sample.	Brand or Name of Manufacturer, Wholesaler or Producer.	Results of Analyses.
50616	July 2.	Wilmington.	Maple Syrup.	Brunswick Brand. Eldridge, Baker & Bain, Boston and Salem, Mass.	Large admixture of refined cane sugar. No formula.
9114 K	July 11.	Winthrop.	Maple Syrup.	Victor Brand. Saville, Somes & Co., Boston, Mass.	Large admixture of refined cane sugar. No formula.
9238 K	July 16.	Reading.	Maple Syrup.	E. D. Pettengill Co., Portland, Me.	Large admixture of refined cane sugar. No formula.
5593 M	August 1.	Boston.	Maple Syrup.	Champion Brand. C. A. Reed, Medford, Mass.	Large admixture of refined cane sugar. No formula.
5595 M	August 1.	Boston.	Maple Syrup.	Whitcher's "Warranted Pure." Ayer Preserving Co., Ayer, Mass.	Large admixture of refined cane sugar. No formula.
5849 M	August 15.	E. Boston.	Maple Syrup.	Victor Brand. Simpson Spring Co., So. Easton, Mass.	Large admixture of refined cane sugar. No formula.
5853 M	August 15.	E. Boston.	Maple Syrup.	Boston Brand. J. P. & D. Plummer, Boston, Mass.	Large admixture of refined cane sugar. No formula.
5861 M	August 15.	E. Boston.	Maple Syrup.	Manhattan Club. J. H. Folkins & Co., Boston, Mass.	Large admixture of refined cane sugar. No formula.
5859 M	August 15.	E. Boston.	Maple Syrup.	Green Mountain. W. J. Lamb, 157 Elm St., W. Somerville, Mass.	Large admixture of refined cane sugar. No formula.
5855 M	August 15.	E. Boston.	Maple Syrup.	Green Mountain Brand. Haskell, Adams & Co., Boston, Mass.	Large admixture of refined cane sugar. No formula.
5851 M	August 15.	E. Boston.	Maple Syrup.	Golden Tree. New England Maple Syrup Co., Boston, Mass.	Large admixture of refined cane sugar. No formula.
5591 M	August 1.	Boston.	Maple Syrup.	E. T. Cowdrey & Co., Boston, Mass.	Large admixture of refined cane sugar. Formula does not give the percentage of the ingredients.
6189 M	August 29.	Reading.	Wild Cherry Juice.	Beach & Clarridge, Boston, Mass.	17.48% alcohol.
5619 M	August 2.	Boston.	Raspberry Preserve.	Logan, Johnson & Co., Boston, Mass.	Preserved with salicylic acid and colored with a coal tar dye. No formula.
5825 M	August 12.	Allston.	Mustard.	B. Fischer & Co., New York.	Highly colored with turmeric
6145 M	August 26.	Provincetown.	Mustard.	"Ardenter." W. S. Dean & Son, New York.	Admixture of starch and turmeric.
9558 K	July 30.	Lowell.	Lemon Extract.	Zopher Co., Lowell, Mass.	0.1% of lemon oil. 48.75% of alcohol.
4975 M	July 1.	Roxbury.	Tincture of Iodine.	Harry F. Weir, 322 Blue Hill Ave., Roxbury.	52% of the required strength. Wood alcohol used as the solvent.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Sept. 17, 1904.

An official publication of the State Board o Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 38.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

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Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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JOHN W. BARTOL, M.D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary*.

MORTALITY OF MASSACHUSETTS

For the Week ending Sept. 17, 1904.

Deaths reported to the State Board of Health in 38 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	617,950	212	87	70	22	26	3	4	36
Worcester,	136,925	39	16	13	4	3	1	..	8
Fall River,	119,349	40	21	14	5	4	..	1	8
Lowell,	104,402	37	15	12	2	4	1	..	7
Cambridge,	100,998	33	13	14	..	3	..	2	7
Lynn,	73,875	25	8	6	..	4	1	..	..
Lawrence,	72,348	24	13	10	2	3	..	1	6
Springfield,	72,020	..	..	..	..	..	..	..	..
Somerville,	70,413	21	5	6	2	3	..	..	3
New Bedford,	68,863	24	14	9	..	1	..	..	..
Holyoke,	50,538	20	10	5	1	2	1	..	2
Brockton,	46,601	9	2	1	..	1	..	..	..
Newton,	39,310	12	2	3	..	1	1	..	1
Haverhill,	39,061	13	6	3	..	2	..	..	1
Malden,	37,205	7	1	2	..	2	..	..	..
Salem,	37,188	20	12	5	..	.	..	..	5
Chelsea,	36,499	11	2	5	1	4	1	..	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	14	6	3	..	2	..	..	1
Everett,	30,209	4	2	..	..	..	..	..	..
North Adams,	29,201	11	5	..	..	..	..	..	..
Quincy,	26,798	7	..	4	..	..	..	..	3
Gloucester,	26,121	5	3	1	..	..	..	..	1
Waltham,	25,797	4	1	..	2	..	..	..	..
Brookline,	23,576	6	..	..	..	..	..	..	..
Pittsfield,	22,870	4	..	1	..	..	..	1	..
Medford,	21,956	1	..	1	..	1	..	..	..
Chicopee,	21,692	2	..	1	..	..	..	..	1
Northampton,	20,314	..	..	..	..	..	..	..	..
Beverly,	15,807	..	..	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	5	2	..	..	..	..	..	..
Adams,	14,745	5	2	1	1	1	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	3	..	2	..	2	..	..	..
Newburyport,	14,478	2	..	..	..	..	..	..	..
Woburn,	14,315	5	3	1	..	..	..	..	1
Melrose,	13,819	3	..	..	..	..	..	..	..
Westfield,	13,809	6	..	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	..	..	..	..	..	..	..	..
Revere,	13,609	3	2	1	..	..	1	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	2	1	2	..	1	..	..	1
Southbridge,	11,716	3	2	2	1	..	..	..	..
Watertown,	11,575	1	..	..	1	..	..	..	..
Weymouth,	11,350	5	2	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns,	2,076,256	648	258	198	44	70	10	9	92

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 38 Cities and Larger Towns of Massachusetts.

One hundred and ninety-eight deaths were reported from the principal infectious diseases: cerebro-spinal meningitis, 4; diphtheria and croup, 10; typhoid fever, 9; diarrhœal diseases, 92; whooping-cough, 1; scarlet fever, 2.

No deaths were reported from malarial fever, puerperal fever, small-pox, influenza, measles or erysipelas.

There were 70 deaths from consumption, acute lung diseases, 44, still-births, 32.

From cerebro-spinal meningitis: Boston, Worcester, Cambridge and Southbridge, 1 each. From whoopiug-cough: Cambridge, 1. From diphtheria and croup: Boston, 3; Worcester, Lowell, Lynn, Holyoke, Newton, Chelsea and Revere, 1 each. From typhoid fever: Boston, 4; Cambridge, 2; Fall River, Lawrence and Pittsfield, 1 each.

Deaths under five years of age numbered 258, as compared with 221 for the preceding week.

Deaths from the principal infectious diseases numbered 198, as compared with 183 for the preceding week.

The death rates for the week were: Boston, 17.84; Worcester, 14.81; Fall River, 17.43; Lowell, 18.43; Cambridge, 16.99; Lynn, 17.59; Lawrence, 17.25; Springfield, ——; Somerville, 15.51; New Bedford, 18.12; Holyoke, 20.57; Brockton, 10.04; Newton, 15.87; Haverhill, 16.20; Malden, 9.78; Salem, 27.96; Chelsea, 15.67; Fitchburg, ——; Taunton, 21.05; Everett, 6.89; No. Adams, 19.58; Quincy, 13.58; Gloucester, 9.95; Waltham, 8.06; Brookline, 13.23; Pittsfield, 9.09; Medford, 2.36; Chicopee, 4.79; Northampton, ——; Beverly, ——; Leominster, ——; Clinton, 16.57; Adams, 17.63; Attleborough, ——; Hyde Park, 10.76; Newburyport, 7.18; Woburn, 18.16; Melrose, 11.29; Westfield, 22.59; Milford, ——; Marlborough, ——; Revere, 11.46; Framingham, ——; Peabody, ——; Gardner, 8.44; Southbridge, 13.31; Watertown, 4.49; Weymouth, 22.90; Plymouth, ——.

The total death rate for the week was 16.23, as compared with 14.73 and 14.96 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Sept. 17, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	50	Typhoid fever,	123
Diphtheria and croup,	138	Measles,	6
Small-pox,	12		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Sept. 17, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 11,	30.14	62	66	57	84	94	89	S. W.	E.	3	8	C.	F.		0.00
Monday, 12,	30.00	74	86	62	90	86	88	S. W.	W.	12	8	O.	R.		0.73
Tuesday, 13,	30.38	61	65	57	68	68	68	N. E.	S. E.	9	6	F.	O.		0.02
Wednesday, 14,	30.16	66	74	58	81	94	88	S. E.	S.	9	21	O.	O.		0.09
Thursday, 15,	29.84	62	74	50	100	66	83	N. W.	W.	20	8	R.	C.		3.48
Friday, 16,	30.15	59	70	48	72	70	71	N. W.	S. W.	5	14	C.	C.		0.00
Saturday, 17,	30.03	66	77	56	78	70	74	S. W.	S. W.	10	5	F.	C.		0.00
Week,	30.10		73	55			80								4.32

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Sept. 24, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 39.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

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Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Sept. 24, 1904.

Deaths reported to the State Board of Health in 40 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	617,950	216	81	52	20	19	4	3	21
Worcester,	136,925	29	14	6	1	..	..	..	5
Fall River,	119,349	27	15	10	4	3	1	..	6
Lowell,	104,402	39	21	11	3	4	1	..	5
Cambridge,	100,998	21	9	8	2	3	..	..	5
Lynn,	73,875	25	10	4	..	..	1	2	1
Lawrence,	72,348	18	7	7	3	2	..	..	5
Springfield,	72,020	13	1	2	1	1	..	..	1
Somerville,	70,413	22	13	5	1	1	..	..	4
New Bedford,	68,863	28	10	10	3	1	..	..	9
Holyoke,	50,538	10	2	4	..	1	..	1	2
Brockton,	46,601	10	4	3	..	2	..	..	..
Newton,	39,310	6	1	2	..	1	..	1	..
Haverhill,	39,061	7	1	1	1	1	..	..	..
Malden,	37,205	10	4	..	..	..	..	..	..
Salem,	37,188	16	7	..	..	..	..	..	..
Chelsea,	36,499	13	7	1	3	..	1	..	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	7	4	2	..	..	1	..	1
Everett,	30,209	8	4	..	..	..	..	..	..
North Adams,	29,201	8	1	2	..	1	..	..	..
Quincy,	26,798	10	3	4	2	3	..	..	1
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	8	2	1	2	..	..	..	..
Brookline,	23,576	7	2	1	..	..	..	..	1
Pittsfield,	22,870	6	1	..	..	..	..	..	..
Medford,	21,956	10	3	1	2	..	..	..	1
Chicopee,	21,692	5	1	..	1	..	..	..	..
Northampton,	20,314	8	3	..	..	..	..	..	..
Beverly,	15,807	4	1	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	5	0	1	..	..	..	..	1
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	3	..	..	..	..	..	..	..
Newburyport,	14,478	7	3	2	1	..	..	..	2
Woburn,	14,315	5	3	2	..	..	..	..	2
Melrose,	13,819	12	3	..	..	..	..	..	..
Westfield,	13,809	1	..	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	3	1	1	..	1	..	..	..
Revere,	13,609	2	2	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	..	..	..	..	..	..	..	..
Southbridge,	11,716	1	1	1	..	1	..	..	..
Watertown,	11,575	3	1	..	1	..	..	..	..
Weymouth,	11,350	1	1	1	..	..	..	..	1
Plymouth,	11,139	7	2	2	..	1	..	1	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns,	2,155,955	641	249	147	51	46	9	8	74

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 40 Cities and Larger Towns of Massachusetts.

One hundred and forty-seven deaths were reported from the principal infectious diseases: cerebro-spinal meningitis, 5; diphtheria and croup, 9; typhoid fever, 8; diarrhœal diseases, 74; whooping-cough, 2; scarlet fever, 2; puerperal fever, 1.

No deaths were reported from malarial fever, small-pox, influenza, measles or erysipelas.

There were 46 deaths from consumption, acute lung diseases, 51, still-births, 44.

From cerebro-spinal meningitis: Boston, 2; Lowell, Brockton and Waltham, 1 each. From scarlet fever: Boston and Worcester, 1 each. From diphtheria and croup: Boston, 4; Fall River, Lowell, Lynn, Chelsea and Taunton, 1 each. From whooping-cough: Boston, 2. From typhoid fever: Boston, 3; Lynn, 2; Holyoke and Newton, 1 each.

Deaths under five years of age numbered 249, as compared with 258 for the preceding week.

Deaths from the principal infectious diseases numbered 147, as compared with 198 for the preceding week.

The death rates for the week were: Boston, 18.17; Worcester, 11.01; Fall River, 11.76; Lowell, 19.42; Cambridge, 10.81; Lynn, 17.60; Lawrence, 12.94; Springfield, 9.39; Somerville, 16.23; New Bedford, 21.14; Holyoke, 10.29; Brockton, 11.16; Newton, 7.94; Haverhill, 9.32; Malden, 13.97; Salem, 22.37; Chelsea, 18.52; Fitchburg, ——; Taunton, 10.53; Everett, 13.77; No. Adams, 14.25; Quincy, 19.40; Gloucester, ——; Waltham, 16.12; Brookline, 15.43; Pittsfield, 13.64; Medford, 23.68; Chicopee, 11.98; Northampton, 20.47; Beverly, 13.16; Leominster, ——; Clinton, 16.56; Adams, ——; Attleborough, ——; Hyde Park, 10.76; Newburyport, 25.14; Woburn, 18.16; Melrose, 45.15; Westfield, 3.76; Milford, ——; Marlborough, 11.46; Revere, 7.64; Framingham, ——; Peabody, ——; Gardner, ——; Southbridge, 4.44; Watertown, 13.48; Weymouth, 4.58; Plymouth, 32.68.

The total death rate for the week was 15.46, as compared with 16.23 and 14.73 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Sept. 24, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	29	Typhoid fever,	81
Diphtheria and croup,	122	Measles,	15
Small-pox,	7		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Sept. 24, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 18,	30.02	72	82	61	75	72	74	S. W.	S. W.	10	18	C.	C.		0.00
Monday, 19,	30.14	66	72	59	72	76	74	N. W.	S. E.	10	7	C.	F.		0.00
Tuesday, 20,	30.04	64	73	56	83	85	84	S. E.	S. W.	9	6	F.	O.		0.00
Wednesday, 21,	30.24	50	60	40	66	59	62	N.	N. W.	15	20	C.	F.		0.00
Thursday, 22,	30.54	43	51	35	49	56	52	N. W.	S.	12	6	C.	C.		0.00
Friday, 23,	30.54	48	62	35	62	61	62	N. W.	S. W.	5	12	C.	F.		0.00
Saturday, 24,	30.08	58	68	49	72	69	70	S. W.	S. W.	12	18	O.	O.		0.00
Week,	30.23		67	48			68								0.00

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Oct. 1, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 40.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Oct. 1, 1904.

Deaths reported to the State Board of Health in 38 Cities and Greater Towns.

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CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from: Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	617,950	213	70	51	20	22	4	2	21
Worcester,	136,925	28	13	5	1	1	..	..	2
Fall River,	119,349	42	15	18	1	5	..	2	11
Lowell,	104,402	33	16	7	2	3	1	..	3
Cambridge,	100,998	31	9	9	5	6	..	..	3
Lynn,	73,875	18	6	3	..	2	..	..	1
Lawrence,	72,348	27	8	8	4	1	..	..	7
Springfield,	72,020	..	..	..	..	..	..	..	..
Somerville,	70,413	14	3	4	1	1	..	..	2
New Bedford,	68,863	30	11	10	..	3	..	1	6
Holyoke,	50,538	22	8	14	..	6	2	..	6
Brockton,	46,601	10	0	..	2	..	..	..	..
Newton,	39,310	9	3	1	..	..	1	..	..
Haverhill,	39,061	13	5	4	2	2	..	1	1
Malden,	37,205	5	2	1	..	..	1	..	..
Salem,	37,188	10	4	2	..	..	..	..	2
Chelsea,	36,499	16	7	3	1	3	..	..	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	8	4	2	1	2	..	..	..
Everett,	30,209	3	0	1	..	1	..	..	..
North Adams,	29,201	10	2	4	..	2	..	2	..
Quincy,	26,798	..	..	..	..	..	..	..	..
Gloucester,	26,121	7	3	1	..	1	..	..	..
Waltham,	25,797	3	..	1	..	1	..	..	..
Brookline,	23,576	7	2	..	1	..	..	..	..
Pittsfield,	22,870	6	2	2	..	2	..	..	..
Medford,	21,956	1	1	..	..	..	..	..	..
Chicopee,	21,692	6	..	2	..	..	1	..	1
Northampton,	20,314	9	3	2	..	2	..	..	..
Beverly,	15,807	7	1	2	..	1	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	3	1	1	..	..	..	..	1
Adams,	14,745	1	1	..	1	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	4	2	..	..	..	..	..	..
Newburyport,	14,478	5	1	1	..	..	..	..	1
Woburn,	14,315	4	1	2	..	2	..	..	..
Melrose,	13,819	3	2	..	1	..	..	..	..
Westfield,	13,809	4	..	1	..	1	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	..	..	..	..	..	..	..	..
Revere,	13,609	3	2	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	..	..	..	..	..	..	..	..
Southbridge,	11,716	4	..	2	..	..	..	..	1
Watertown,	11,575	5	2	2	..	1	..	..	..
Weymouth,	11,350	5	0	3	..	2	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns,	2,073,255	629	210	169	43	73	10	8	69

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 38 Cities and Larger Towns of Massachusetts.

One hundred and sixty-nine deaths were reported from the principal infectious diseases: cerebro-spinal meningitis, 5; diphtheria and croup, 10; typhoid fever, 8; diarrhœal diseases, 69; whooping-cough, 1; puerperal fever, 2; malarial fever, 1.

No deaths were reported from influenza, measles, erysipelas, scarlet fever or small-pox.

There were 73 deaths from consumption, acute lung diseases, 43, still-births, 44.

From cerebro-spinal meningitis: Worcester, 2; Somerville, Watertown and Weymouth, 1 each. From diphtheria and croup: Boston, 4; Holyoke, 2; Lowell, Malden, Newton and Chicopee, 1 each. From whooping-cough: Boston, 1. From typhoid fever: Boston, Fall River and North Adams, 2 each; New Bedford and Haverhill, 1 each. From puerperal fever: Boston, 1. From malarial fever: Beverly, 1.

Deaths under five years of age numbered 210, as compared with 249 for the preceding week.

Deaths from the principal infectious diseases numbered 169, as compared with 147 for the preceding week.

The death rates for the week were: Boston, 17.92; Worcester, 10.63; Fall River, 18.30; Lowell, 16.44; Cambridge, 15.96; Lynn, 12.67; Lawrence, 19.40; Springfield, ——; Somerville, 10.34; New Bedford, 22.65; Holyoke, 22.63; Brockton, 11.16; Newton, 11.90; Haverhill, 17.30; Malden, 6.98; Salem, 13.98; Chelsea, 22.80; Fitchburg, ——; Taunton, 12.03; Everett, 5.16; No. Adams, 17.81; Quincy, ——; Gloucester, 13.93; Waltham, 6.04; Brookline, 15.43; Pittsfield, 13.64; Medford, 2.37; Chicopee, 14.38; Northampton, 23.03; Beverly, 23.03; Leominster, ——; Clinton, 9.94; Adams, 3.57; Attleborough, ——; Hyde Park, 14.34; Newburyport, 17.96; Woburn, 14.53; Melrose, 11.29; Westfield, 15.04; Milford, ——; Marlborough, ——; Revere, 11.46; Framingham, ——; Peabody, ——; Gardner, ——; Southbridge, 17.75; Watertown, 22.46; Weymouth, 22.90; Plymouth, ——.

The total death rate for the week was 15.78, as compared with 15.46 and 16.23 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Oct. 1, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	49	Typhoid fever,	94
Diphtheria and croup,	141	Measles,	13
Small-pox,	5		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Oct. 1, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, Sept. 25,	29.86	68	78	59	84	69	76	S. W.	N.	8	10	F.	F.		0.17
Monday, 26,	29.85	60	65	56	94	92	93	E.	S. W.	5	8	O.	O.		0.10
Tuesday, 27,	30.02	60	64	55	78	80	79	N.	S.	12	8	C.	C.		0.00
Wednesday, 28,	30.23	56	60	53	88	76	82	E.	S.	4	10	O.	C.		0.00
Thursday, 29,	29.96	59	66	52	74	94	84	S. W.	S. W.	10	20	O.	R.		0.71
Friday, 30,	29.54	68	79	57	75	58	66	W.	W.	10	15	C.	C.		0.05
Saturday, Oct. 1,	29.38	62	50	56	55	61	58	W.	W.	16	12	C.	C.		T
Week,	29.83		66	55			77								1.03

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Oct. 8, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 41.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Oct. 8, 1904.

Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	617,950	188	51	54	16	21	1	8	19
Worcester,	136,925	46	21	8	5	..	..	1	6
Fall River,	119,349	44	18	19	2	5	..	1	13
Lowell,	104,402	23	10	5	3	2	1	..	2
Cambridge,	100,998	26	11	14	3	6	..	..	8
Lynn,	73,875	19	7	3	..	2	..	1	..
Lawrence,	72,348	18	5	6	2	2	..	1	3
Springfield,	72,020	14	6	2	..	2	..	..	..
Somerville,	70,413	13	4	1	1	..	..	..	..
New Bedford,	68,863	..	..	..	..	..	..	..	..
Holyoke,	50,538	17	6	4	2	1	..	1	1
Brockton,	46,601	10	3	3	..	3	..	..	..
Newton,	39,310	6	2	5	..	3	1	..	1
Haverhill,	39,061	10	4	3	..	1	..	1	1
Malden,	37,205	10	1	2	1	1	..	1	..
Salem,	37,188	15	1	..	..	..	..	..	..
Chelsea,	36,499	10	8	..	2	..	..	..	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	12	3	2	1	..	1	..	1
Everett,	30,209	6	1	..	..	..	..	..	..
North Adams,	29,201	3	1	..	..	..	..	..	..
Quincy,	26,798	7	..	3	..	2	1	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	3	..	2	..	2	..	..	..
Brookline,	23,576	..	..	..	..	..	..	..	..
Pittsfield,	22,870	..	..	..	..	..	..	..	..
Medford,	21,956	6	2	1	..	..	..	..	1
Chicopee,	21,692	8	3	1	..	..	..	..	1
Northampton,	20,314	6	1	..	..	..	..	..	..
Beverly,	15,807	1	1	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	2	0	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	4	1	1	..	1	..	..	..
Newburyport,	14,478	4	0	..	1	..	..	..	..
Woburn,	14,315	1	..	..	..	..	..	..	..
Melrose,	13,819	2	1	..	..	..	..	..	..
Westfield,	13,809	2	..	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	2	1	1	..	..	..	..	..
Revere,	13,609	7	2	..	1	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	1	1	..	..	..	..	..	..
Southbridge,	11,716	4	2	2	2	..	..	..	..
Watertown,	11,575	0	..	..	..	..	..	..	..
Weymouth,	11,350	1	0	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns,	2,041,831	551	178	142	42	54	5	15	57

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 37 Cities and Larger Towns of Massachusetts.

One hundred and forty-two deaths were reported from the principal infectious diseases: cerebro-spinal meningitis, 6; diphtheria and croup, 5; typhoid fever, 15; diarrhœal diseases, 57; whooping-cough, 1; measles, 1; scarlet fever, 1; erysipelas, 2.

No deaths were reported from influenza, malarial fever or small-pox.

There were 54 deaths from consumption, acute lung diseases, 42, still-births, 36.

From measles: Boston, 1. From scarlet fever: Boston, 1. From cerebro-spinal meningitis: Boston, Worcester, Somerville and Marlborough, 1 each; Southbridge, 2. From diphtheria and croup: Boston, Lowell, Newton, Taunton and Quincy, 1 each. From whooping-cough: Holyoke, 1. From erysipelas: Boston, 2. From typhoid fever: Boston, 8; Worcester, Fall River, Lynn, Lawrence, Holyoke, Haverhill and Malden, 1 each.

Deaths under five years of age numbered 178, as compared with 210 for the preceding week.

Deaths from the principal infectious diseases numbered 142, as compared with 169 for the preceding week.

The death rates for the week were: Boston, 15.82; Worcester, 17.47; Fall River, 19.17; Lowell, 11.45; Cambridge, 13.38; Lynn, 13.37; Lawrence, 12.93; Springfield, 10.10; Somerville, 9.60; New Bedford, ——; Holyoke, 17.49; Brockton, 11.16; Newton, 7.94; Haverhill, 13.31; Malden, 13.97; Salem, 20.97; Chelsea, 14.25; Fitchburg, ——; Taunton, 18.05; Everett, 10.32; No. Adams, 5.34; Quincy, 13.58; Gloucester, ——; Waltham, 6.04; Brookline, ——; Pittsfield, ——; Medford, 14.21; Chicopee, 19.17; Northampton, 15.35; Beverly, 3.29; Leominster, ——; Clinton, 6.62; Adams, ——; Attleborough, ——; Hyde Park, 14.34; Newburyport, 14.37; Woburn, 3.63; Melrose, 7.52; Westfield, 7.53; Milford, ——; Marlborough, 7.64; Revere, 26.75; Framingham, ——; Peabody, ——; Gardner, 4.22; Southbridge, 17.75; Watertown, ——; Weymouth, 4.58; Plymouth, ——.

The total death rate for the week was 14.03, as compared with 15.78 and 15.46 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Oct. 8, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	43	Typhoid fever,	127
Diphtheria and croup,	142	Measles,	30
Small-pox,	1		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Oct. 8, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 2,	29.52	54	62	47	64	46	55	S. W.	W.	11	14	F.	C.		0.00
Monday, 3,	29.89	51	58	44	66	60	63	W.	N.	11	8	C.	O.		0.00
Tuesday, 4,	30.24	52	61	43	66	63	64	W.	S.	8	8	C.	C.		0.00
Wednesday, 5,	30.14	56	65	48	68	77	72	S. W.	S.	6	10	C.	C.		0.00
Thursday, 6,	30.14	50	60	40	84	48	66	N. W.	N.	12	10	O.	C.		0.27
Friday, 7,	30.51	42	49	35	60	45	52	N.	S.	14	9	C.	C.		0.00
Saturday, 8,	30.39	47	56	38	68	76	72	S.	S.	9	8	F.	O.		T
Week,	30.12		59	42			63								0.27

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of September, 1904: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	592	115	707	Canned Goods,	..	1	1
Butter,	6	..	6	Honey,	2	..	2
Cheese,	2	..	2	Tea,	2	..	2
Lard,	..	..	..	Coffee,	6	1	7
Olive Oil,	..	..	..	Cocoa and Chocolate,	1	2	3
Vinegar,	11	3	14	Confectionery,	1	..	1
Spices,	109	5	114	Condensed Milk,	3	..	3
Cream of Tartar,	21	..	21	Miscellaneous,	9	9	18
Molasses,	12	2	14	Drugs,	74	22	96
Syrups,	..	..	..				
Maple Sugar,	..	2	2				
Maple Syrup,	9	..	9				
				Totals,	860	162	1022

Percentage of adulteration, 15.8. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 16.2 per cent., while the percentage of articles of food was 11.4 per cent.

Two samples of milk were found to be colored.

Seven complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs, as follows: —

No.	Date of Trial.	Name of Defendant.	Place.	Character of Article Sold.	Result of Trial.
1	September 3,	John Condon,	So. Framingham,	Milk,	Conviction.
2	September 14,	Lars Olsen,	Carlisle,	Milk,	Conviction.
3	September 15,	Joseph H. Ferron	Lowell,	Milk,	Conviction.
4	September 20,	Wm. D. Emerson,	Reading,	Milk,	Conviction.
5	September 20,	Adelbert D. Batchelder,	Reading,	Milk,	Conviction.
6	September 28,	John E. Lake,	Salisbury,	Milk,	Conviction.
7	September ——,	Louis Vandall,*	No. Brookfield,	Milk,	No trial.

Note. — The total amount of solids in samples of milk upon which the foregoing cases were entered were 10.98; 10.95; 11.05; 10.47; 10.29; 8.10 and 10.24.

* This party has left the country.

Total amount of fines, $70.60.

The samples of drugs found adulterated were Aqua Destillata, Extractum Glycyrrhizæ, Macis, Oleum Cinamomum, Oleum Morrhuæ, Spiritus Camphoræ, Sulphur Præcipitatum and Tinctura Iodi.

Cities and towns from which samples of food were collected were: Boston, Cambridge, Reading, Salisbury, Newburyport, Westfield, Northampton, Carlisle, Bedford, Vineyard Haven, Cottage City, Gloucester, Rockport, Concord, Holyoke, Springfield, Watertown, Essex, Natick, Waltham, Newton, Taunton, Lowell, Milford, Attleborough, Worcester, Charlton, Clinton, Westborough, Ashland, Brookline, Fall River, Chelsea, Salem, Somerville, Malden and Everett.

Commonwealth of Massachusetts.—State Board of Health.

Publication of Results of Analyses of Certain Articles of Food, required by Chapter 272 of the Acts of 1902, for the Month of September, 1904.

Number of Sample.	Date of Collection.	City or Town where Purchased.	Character of Sample.	Brand or Name of Manufacturer, Wholesaler or Producer.	Results of Analyses.
50747	September 12.	Malden.	Petits Pois. Extra Fins.	Tisserand & Fils.	Greened with copper.
0772	September 16.	Boston.	Maple Sugar.	Gunaris, Boston.	Largely refined cane sugar.
6255 M	September 1.	Lowell.	Maple Syrup.	Gold Leaf Brand. Huntington Maple Syrup & Sugar Co., Providence, R. I.	Admixture of refined cane sugar.
6257 M	September 1.	Boston.	Maple Syrup.	Moody's Matchless Maple Syrup. Charles E. Moody & Co., Boston.	Admixture of refined cane sugar.
6081 M	August 24.	Roxbury.	Maple Syrup.	W. A. Little, Andrew Sq., Boston.	Admixture of refined cane sugar.
6549 M	September 20.	Charlestown.	Maple Syrup.	Colman Co-operative Co., Quiney, Mass.	Admixture of refined cane sugar.
6737 M	September 28.	Newburyport.	Maple Syrup.	Fancy Vermont Maple Syrup. "Guaranteed Pure." Haskell, Adams & Co., Boston.	Admixture of refined cane sugar.
6553 M	September 20.	Charlestown.	Pepper.	"Pure Pepper Fresh Ground." No address on package.	Large admixture of shells and dirt.
644 L	September 24.	Lowell.	Cocoa.	Sterry's. Sterry & Sterry, New York.	Cocoa shells.
50675	September 6.	Boston.	"Antidote Coffee."	Café des Invalides, S. S. Pierce Co., Boston.	Large admixture (20%) of pea hulls and chicory. No formula.
0776			Opium cure.	St. James Society, 1183 Broadway, New York.	100 cc contain .028 gram caffeine and .085 gram morphine.
0778			Cure for Alcoholism.	B. M. Woolley Co., Atlanta, Georgia.	Contains much morphine.

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MORTALITY OF MASSACHUSETTS

For the Week ending Oct. 15, 1904.

Deaths reported to the State Board of Health in 38 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Prineipal Infectious Diseases.	Aeute Lung Diseases.	Phthisis.	Diphtheria and Cronp.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	617,950	161	47	35	22	11	3	7	14
Worcester,	136,925	25	5	5	..	2	..	..	2
Fall River,	119,349	39	16	11	5	5	..	..	6
Lowell,	104,402	34	17	9	5	5	2	..	1
Cambridge,	100,998	22	5	5	2	2	1	1	..
Lynn,	73,875	15	4	4	..	2	1	1	..
Lawrence,	72,348	16	8	6	1	3	..	..	3
Springfield,	72,020	26	3	4	..	2	1	1	..
Somerville,	70,413	17	4	4	1	3	..	..	1
New Bedford,	68,863	..	..	..	..	..	..	..	..
Holyoke,	50,538	21	10	7	3	5	1	..	1
Brockton,	46,601	11	3	3	..	2	..	1	..
Newton,	39,310	7	3	1	2	..	1	..	..
Haverhill,	39,061	7	1	1	1	1	..	..	..
Malden,	37,205	13	1	4	1	3	..	..	1
Salem,	37,188	5	1	1	..	1	..	..	..
Chelsea,	36,499	6	2	3	..	..	2	1	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	9	4	3	2	1	..	..	2
Everett,	30,209	7	1	..	..	..	..	..	..
North Adams,	29,201	3	1	2	..	..	1	..	1
Quincy,	26,798	..	..	..	..	..	..	..	..
Gloucester,	26,121	9	3	..	..	..	..	..	..
Waltham,	25,797	9	4	..	..	..	..	..	..
Brookline,	23,576	..	..	..	..	..	..	..	..
Pittsfield,	22,870	8	..	2	..	2	..	..	..
Medford,	21,956	3	..	..	1	..	..	..	..
Chicopee,	21,692	2	0	..	..	..	..	..	..
Northampton,	20,314	11	3	2	..	2	..	..	..
Beverly,	15,807	1	1	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	2	..	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	1	0	..	..	..	..	..	..
Newburyport,	14,478	5	0	1	1	1	..	..	..
Woburn,	14,315	1	..	..	..	..	..	..	..
Melrose,	13,819	6	..	..	2	..	..	..	..
Westfield,	13,809	7	1	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	1	0	..	..	..	..	..	..
Revere,	13,609	1	1	..	1	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	3	..	2	..	1	..	..	..
Southbridge,	11,716	4	2	4	..	1	2	..	..
Watertown,	11,575	5	3	1	1	..	..	..	1
Weymouth,	11,350	1	0	1	..	1	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infeetious Diseases.	Aeute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns,	2,064,024	524	154	121	51	56	15	12	33

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 38 Cities and Larger Towns of Massachusetts.

One hundred and twenty-one deaths were reported from the principal infectious diseases: cerebro-spinal meningitis, 4; diphtheria and croup, 15; typhoid fever, 12; diarrhœal diseases, 33.

No deaths were reported from measles, scarlet fever, small-pox, whooping-cough, erysipelas, puerperal fever or malarial fever.

There were 56 deaths from consumption, acute lung diseases, 51, still-births, 41.

From cerebro-spinal meningitis: Worcester, Lowell, Cambridge and Southbridge, 1 each. From diphtheria and croup: Boston, 3: Lowell, Chelsea and Southbridge, 2 each; Cambridge, Lynn, Springfield, Holyoke, Newton and North Adams, 1 each. From typhoid fever: Boston, 7; Cambridge, Lynn, Springfield, Brockton and Chelsea, 1 each.

Deaths under five years of age numbered 154, as compared with 178 for the preceding week.

Deaths from the principal infectious diseases numbered 121, as compared with 142 for the preceding week.

The death rates for the week were: Boston, 13.55; Worcester, 9.49; Fall River, 16.99; Lowell, 16.93; Cambridge, 11.32; Lynn, 10.56; Lawrence, 11.50; Springfield, 18.77; Somerville, 12.55; New Bedford, ——; Holyoke, 21.61; Brockton, 12.27; Newton, 9.26; Haverhill, 9.32; Malden, 18.16; Salem, 6.99; Chelsea, 8.55; Fitchburg, ——; Taunton, 13.53; Everett, 12.05; No. Adams, 5.34; Quincy, ——; Gloucester, 17.91; Waltham, 18.13; Brookline, ——; Pittsfield, 18.19; Medford, 7.10; Chicopee, 4.79; Northampton, 28.15; Beverly, 3.29; Leominster, ——; Clinton, 6.62; Adams, ——; Attleborough, ——; Hyde Park, 3.58; Newburyport, 17.96; Woburn, 3.63; Melrose, 22.58; Westfield, 26.35; Milford, ——; Marlborough, 3.82; Revere, 3.82; Framingham, ——; Peabody, ——; Gardner, 12.66; Southbridge, 17.75; Watertown, 22.46; Weymouth, 4.58; Plymouth, ——.

The total death rate for the week was 13.20, as compared with 14.03 and 15.78 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Oct. 15, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	55	Typhoid fever,	111
Diphtheria and croup,	153	Measles,	23
Leprosy,	1	Small-pox,	2

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Oct. 15, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, . . 9,	30.22	54	58	51	85	90	88	W.	N. E.	5	4	O.	O.		0.05
Monday, . . 10,	29.92	58	66	50	94	87	90	E.	S. W.	5	14	O.	F.		0.02
Tuesday, . . 11,	29.84	59	68	50	83	81	82	S. W.	E.	14	20	O.	O.		0.08
Wednesday, . 12,	30.32	44	50	38	82	92	87	N. E.	N. E.	20	20	O.	R.		0.84
Thursday, . . 13,	30.26	42	46	37	96	86	91	N.	N.	18	10	R.	O.		0.10
Friday, . . 14,	30.12	48	57	38	77	67	72	N. W.	N.	7	14	C.	F.		0.00
Saturday, . . 15,	30.16	53	68	38	67	54	60	N. W.	N. W.	20	10	F.	C.		0.00
Week, . . .	30.12		59	43			81								1.09

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Oct. 22, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 43.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman*.
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

MORTALITY OF MASSACHUSETTS

For the Week ending Oct. 22, 1904.

Deaths reported to the State Board of Health in 41 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	617,950	192	49	45	24	22	4	5	12
Worcester,	136,925	32	12	3	2	1	..	..	2
Fall River,	119,349	30	13	7	5	2	..	..	5
Lowell,	104,402	33	11	6	4	4	1	1	..
Cambridge,	100,998	30	8	3	..	3	..	..	..
Lynn,	73,875	20	3	2	..	1	..	..	1
Lawrence,	72,348	19	7	3	1	1	..	..	1
Springfield,	72,020	16	3	2	1	2	..	..	..
Somerville,	70,413	17	1	3	..	3	..	..	..
New Bedford,	68,863	29	11	5	3	2	1	1	1
Holyoke,	50,538	20	6	3	4	2	..	..	1
Brockton,	46,601	10	2	2	..	1	..	..	..
Newton,	39,310	8	..	1	..	1	..	..	..
Haverhill,	39,061	9	1	3	..	3	..	..	..
Malden,	37,205	5	2	1	..	..	..	..	..
Salem,	37,188	8	1	2	..	2	..	..	..
Chelsea,	36,499	11	2	3	..	1	..	..	2
Fitchburg,	36,335	7	1	1	1	1	..	..	..
Taunton,	34,577	18	..	4	1	3	..	..	1
Everett,	30,209	5	3	2	..	2	..	..	..
North Adams,	29,201	..	..	..	..	..	..	..	..
Quincy,	26,798	6	..	..	1	..	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	6	1	..	1	..	..	..	..
Brookline,	23,576	8	1	..	..	..	..	..	..
Pittsfield,	22,870	4	1	..	..	..	..	..	..
Medford,	21,956	3	..	..	..	..	..	..	..
Chicopee,	21,692	3	0	2	..	2	..	..	..
Northampton,	20,314	2	0	..	..	..	..	..	..
Beverly,	15,807	3	..	1	..	1	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	4	0	1	1	..	..	..	..
Adams,	14,745	4	2	2	1	1	1	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	0	..	..	..	..	..	..	..
Newburyport,	14,478	6	0	..	1	..	..	..	..
Woburn,	14,315	2	1	..	..	..	..	..	..
Melrose,	13,819	4	1	..	..	..	..	..	..
Westfield,	13,809	3	1	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	4	0	2	..	1	..	1	..
Revere,	13,609	2	..	..	1	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	4	3	1	..	..	..	..	1
Southbridge,	11,716	1	1	1	..	..	1	..	..
Watertown,	11,575	4	1	..	1	..	..	..	..
Weymouth,	11,350	5	0	1	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns,	2,179,019	597	149	112	53	62	8	8	27

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 41 Cities and Larger Towns of Massachusetts.

One hundred and twelve deaths were reported from the principal infectious diseases: measles, 2; cerebro-spinal meningitis, 2; diphtheria and croup, 8; typhoid fever, 8; diarrhœal diseases, 27; whooping-cough, 2; erysipelas, 1.

No deaths were reported from scarlet fever, puerperal fever, small-pox, malarial fever or influenza.

There were 62 deaths from consumption, acute lung diseases, 53, still-births, 41.

From measles: Boston, 1; Malden, 1. From cerebro-spinal meningitis: Brockton, 1; Weymouth, 1. From diphtheria and croup: Boston, 4; Lowell, New Bedford, Adams and Southbridge, 1 each. From whooping-cough: Boston, 1; Lawrence, 1. From erysipelas: Clinton, 1. From typhoid fever: Boston, 5; Lowell, New Bedford and Marlborough, 1 each.

Deaths under five years of age numbered 149, as compared with 154 for the preceding week.

Deaths from the principal infectious diseases numbered 112, as compared with 121 for the preceding week.

The death rates for the week were: Boston, 16.16; Worcester, 12.15; Fall River, 13.07; Lowell, 15.43; Cambridge, 15.44; Lynn, 14.08; Lawrence, 13.65; Springfield, 11.55; Somerville, 12.55; New Bedford, 21.89; Holyoke, 20.58; Brockton, 11.16; Newton, 10.58; Haverhill, 11.98; Malden, 6.98; Salem, 11.18; Chelsea, 15.67; Fitchburg, 10.01; Taunton, 27.07; Everett, 8.60; No. Adams, ——; Quincy, 11.64; Gloucester, ——; Waltham, 12.09; Brookline, 17.64; Pittsfield, 9.10; Medford, 7.10; Chicopee, 7.19; Northampton, ——; Beverly, 9.87; Leominster, ——; Clinton, 13.25; Adams, 14.27; Attleborough, ——; Hyde Park, ——; Newburyport, 21.55; Woburn, 7.26; Melrose, 15.05; Westfield, 11.29; Milford, ——; Marlborough, 15.28; Revere, 7.64; Framingham, ——; Peabody, ——; Gardner, 16.88; Southbridge, 4.44; Watertown, 17.97; Weymouth, 22.90; Plymouth, ——.

The total death rate for the week was 14.24, as compared with 13.20 and 14.03 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Oct. 22, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	72	Typhoid fever,	81
Diphtheria and croup,	146	Measles,	42
Small-pox,	0		

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Oct. 22, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 16,	30.20	53	68	38	48	50	49	W.	W.	10	5	C.	C.		0.00
Monday, 17,	30.10	60	74	47	39	30	34	W.	W.	8	14	C.	C.		0.00
Tuesday, 18,	30.00	61	72	50	35	87	61	W.	N.	8	11	C.	C.		T
Wednesday, 19,	30.16	52	54	49	86	94	90	N. E.	N. E.	8	6	O.	O.		0.00
Thursday, 20,	30.06	60	68	52	91	87	89	E.	S.	6	10	O.	C.		T
Friday, 21,	29.72	60	68	52	90	76	83	S. E.	W.	20	15	O.	O.		0.63
Saturday, 22,	29.75	57	67	47	63	56	60	S.	S. W.	8	12	C.	F.		0.00
Week,	30.00		67	48			67								0.63

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

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JOHN W. BARTOL, M.D., *Acting Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Oct. 29, 1904.

Deaths reported to the State Board of Health in 41 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	617,950	197	55	43	29	23	5	4	8
Worcester,	136,925	35	12	4	3	1	..	1	1
Fall River,	119,349	36	14	12	3	5	2	1	4
Lowell,	104,402	18	8	4	1	1	2	..	1
Cambridge,	100,998	30	7	3	3	3	..	..	..
Lynn,	73,875	14	1	1	..	1	..	..	..
Lawrence,	72,348	17	5	3	2	3	..	..	..
Springfield,	72,020	12	4	2	..	..	2	..	..
Somerville,	70,413	17	4	1	2	1	..	..	..
New Bedford,	68,863	18	8	4	5	1	..	..	3
Holyoke,	50,538	16	4	3	3	2	..	..	..
Brockton,	46,601	5	2	1	..	..	..	..	..
Newton,	39,310	8	1	..	..	..	..	..	..
Haverhill,	39,061	9	4	2	1	1	..	..	1
Malden,	37,205	9	4	..	..	..	..	..	..
Salem,	37,188	10	1	1	..	1	..	..	..
Chelsea,	36,499	11	2	..	..	..	..	..	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	12	3	..	2	..	..	..	..
Everett,	30,209	8	3	2	..	2	..	..	..
North Adams,	29,201	..	..	..	..	..	..	..	..
Quincy,	26,798	9	3	1	1	1	..	..	..
Gloucester,	26,121	2	..	..	..	..	..	..	..
Waltham,	25,797	4	..	1	..	1	..	..	..
Brookline,	23,576	4	..	..	..	..	..	..	..
Pittsfield,	22,870	3	1	..	..	..	..	..	..
Medford,	21,956	3	..	..	1	..	..	..	..
Chicopee,	21,692	5	2	3	..	1	1	..	1
Northampton,	20,314	3	0	..	..	..	..	..	..
Beverly,	15,807	3	..	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	2	1	..	1	..	..	..	..
Adams,	14,745	3	0	1	..	..	1	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	1	0	1	..	1	..	..	..
Newburyport,	14,478	3	0	..	..	..	..	..	..
Woburn,	14,315	2	..	..	1	..	..	..	..
Melrose,	13,819	1	..	1	..	1	..	..	..
Westfield,	13,809	4	2	3	..	..	2	1	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	5	0	..	..	..	..	..	..
Revere,	13,609	3	1	2	..	1	1	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	2	..	..	..	..	..	..	..
Southbridge,	11,716	3	3	1	..	..	1	..	..
Watertown,	11,575	0	..	..	..	..	..	..	..
Weymouth,	11,350	3	1	1	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns,	2,168,805	550	156	101	58	51	17	7	19

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 41 Cities and Larger Towns of Massachusetts.

One hundred and one deaths were reported from the principal infectious diseases: cerebro-spinal meningitis, 4; diphtheria and croup, 17; typhoid fever, 7; diarrhœal diseases, 19; whooping-cough, 1; erysipelas, 2.

No deaths were reported from measles, scarlet fever, puerperal fever, small-pox, malarial fever or influenza.

There were 51 deaths from consumption, acute lung diseases, 58, still-births, 37.

From cerebro-spinal meningitis: Boston, Worcester, Brockton and Weymouth, 1 each. From diphtheria and croup: Boston, 5; Fall River, Lowell, Springfield and Westfield, 2 each; Chicopee, Adams, Revere and Southbridge, 1 each. From whooping-cough: Holyoke, 1. From erysipelas: Boston, 2. From typhoid fever: Boston, 4; Worcester, Fall River and Westfield, 1 each.

Deaths under five years of age numbered 156, as compared with 149 for the preceding week.

Deaths from the principal infectious diseases numbered 101, as compared with 112 for the preceding week.

The death rates for the week were: Boston, 16.57; Worcester, 13.28; Fall River, 15.68; Lowell, 8.96; Cambridge, 15.44; Lynn, 9.85; Lawrence, 12.22; Springfield, 8.66; Somerville, 12.55; New Bedford, 13.59; Holyoke, 16.46; Brockton, 5.58; Newton, 10.58; Haverhill, 11.98; Malden, 12.57; Salem, 13.98; Chelsea, 15.67; Fitchburg, ——; Taunton, 18.04; Everett, 13.77; No. Adams, ——; Quincy, 17.46; Gloucester, 3.98; Waltham, 8.06; Brookline, 8.82; Pittsfield, 6.82; Medford, 7.10; Chicopee, 11.98; Northampton, 7.68; Beverly, 9.87; Leominster, ——; Clinton, 6.62; Adams, 10.70; Attleborough, ——; Hyde Park, 3.59; Newburyport, 10.77; Woburn, 7.26; Melrose, 3.76; Westfield, 15.06; Milford, ——; Marlborough, 19.10; Revere, 11.46; Framingham, ——; Peabody, ——; Gardner, 8.44; Southbridge, 13.31; Watertown, ——; Weymouth, 13.74; Plymouth, ——.

The total death rate for the week was 13.19, as compared with 14.24 and 13.20 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Oct. 29, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	63	Typhoid fever,	65
Diphtheria and croup,	178	Measles,	37
Small-pox,	0		

(SIGNED) JOHN W. BARTOL, M.D.,
Acting Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Oct. 29, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 23,	30.02	50	59	42	71	53	62	W.	W.	7	7	C.	O.			0.00
Monday, 24,	30.28	45	52	38	69	51	60	W.	N. E.	12	4	C.	C.			0.00
Tuesday, 25,	30.26	52	63	41	73	85	79	S. W.	S. W.	12	15	F.	O.			0.00
Wednesday, 26,	29.98	50	59	42	87	64	76	S. W.	W.	6	20	O.	C.			0.14
Thursday, 27,	30.07	40	45	34	64	50	57	W.	N.	12	6	C.	C.			T
Friday, 28,	30.38	38	46	30	60	64	62	N. W.	S.	8	7	C.	C.			0.00
Saturday, 29,	30.22	48	59	37	71	80	76	S. W.	S. W.	4	8	O.	C.			0.00
Week,	30.17			55	38		67									0.14

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 5, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 45.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

JOHN W. BARTOL, M.D., *Acting Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Nov. 5, 1904.

Deaths reported to the State Board of Health in 42 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from: Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	617,950	176	41	32	27	19	3	6	3
Worcester,	136,925	48	12	2	6	..	..	..	1
Fall River,	119,349	28	11	9	3	3	1	..	5
Lowell,	104,402	27	8	4	5	3	1	..	..
Cambridge,	100,998	21	8	5	4	3	..	..	2
Lynn,	73,875	14	7	..	..	..	..	..	..
Lawrence,	72,348	25	12	3	2	1	..	..	2
Springfield,	72,020	..	..	..	..	..	..	..	..
Somerville,	70,413	20	4	..	2	..	..	..	..
New Bedford,	68,863	24	11	6	4	3	..	..	3
Holyoke,	50,538	11	4	2	..	1	..	..	1
Brockton,	46,601	9	2	2	1	1	..	1	..
Newton,	39,310	3	3	2	..	..	..	..	2
Haverhill,	39,061	12	4	1	2	..	..	..	..
Malden,	37,205	6	3	1	1	1	..	..	..
Salem,	37,188	10	1	1	..	1	..	..	..
Chelsea,	36,499	18	6	4	2	2	1	..	1
Fitchburg,	36,335	8	1	..	1	..	..	..	..
Taunton,	34,577	10	1	2	3	1	..	..	1
Everett,	30,209	12	2	..	..	..	..	..	..
North Adams,	29,201	5	2	..	..	..	..	..	..
Quincy,	26,798	7	2	2	1	1	1	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	6	..	1	1	1	..	..	..
Brookline,	23,576	1	..	..	..	..	..	..	..
Pittsfield,	22,870	5	1	3	..	2	..	1	..
Medford,	21,956	2	..	..	..	..	..	..	..
Chicopee,	21,692	3	1	..	..	..	..	..	..
Northampton,	20,314	3	0	..	..	..	..	..	..
Beverly,	15,807	2	1	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	3	1	..	1	..	..	..	..
Adams,	14,745	2	1	1	..	..	1	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	1	0	..	..	..	..	..	..
Newburyport,	14,478	5	0	..	1	..	..	..	..
Woburn,	14,315	3	1	..	1	..	..	..	..
Melrose,	13,819	6	1	..	2	..	..	..	..
Westfield,	13,809	2	..	1	..	..	1	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	2	0	..	..	..	..	..	..
Revere,	13,609	1	1	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	1	1	..	..	..	..	..	..
Southbridge,	11,716	6	1	4	..	..	3	..	..
Watertown,	11,575	5	2	2	..	1	..	..	1
Weymouth,	11,350	2	0	..	..	..	..	..	..
Plymouth,	11,139	3	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns,	2,147,339	558	157	90	70	44	12	8	22

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 42 Cities and Larger Towns of Massachusetts.

Ninety deaths were reported from the principal infectious diseases: measles, 1; scarlet fever, 1; cerebro-spinal meningitis, 2; diphtheria and croup, 12; typhoid fever, 8; diarrhœal diseases, 22.

No deaths were reported from puerperal fever, whooping-cough, small-pox, malarial fever or influenza.

There were 44 deaths from consnmption, acute lung diseases, 70, still-births, 37.

From measles: Haverhill, 1. From scarlet fever: Boston, 1. From cerebro-spinal meningitis: Worcester and Southbridge, 1 each. From diphtheria and croup: Boston, 3; Fall River, Lowell, Chelsea, Quincy, Westfield and Adams, 1 each, Southbridge, 3. From typhoid fever: Boston, 6; Brockton and Pittsfield, 1 each.

Deaths under five years of age numbered 157, as compared with 156 for the preceding week.

Deaths from the principal infectious diseases numbered 90, as compared with 101 for the preceding week.

The death rates for the week were: Boston, 14.81; Worcester, 18.23; Fall River, 12.20; Lowell, 13.45; Cambridge, 10.81; Lynn, 9.85; Lawrence, 17.97; Springfield, ——; Somerville, 14.77; New Bedford, 18.12; Holyoke, 11.32; Brockton, 10.04; Newton, 3.97; Haverhill, 15.97; Malden, 8.38; Salem, 13.98; Chelsea, 25.65; Fitchburg, 11.45; Taunton, 15.04; Everett, 20.65; No. Adams, 8.90; Quincy, 13.58; Gloucester, ——; Waltham, 12.09; Brookline, 2.20; Pittsfield, 11.37; Medford, 4.74; Chicopee, 7.19; Northampton, 7.68; Beverly, 6.58; Leominster, ——; Clinton, 9.94; Adams, 7.14; Attleborough, ——; Hyde Park, 3.59; Newburyport, 17.96; Woburn, 10.90; Melrose, 22.58; Westfield, 7.53; Milford, ——; Marlborough, 7.64; Revere, 3.82; Framingham, ——; Peabody, ——; Gardner, 4.22; Southbridge, 26.63; Watertown, 22.46; Weymouth, 9.16; Plymouth, 14.00.

The total death rate for the week was 13.51, as compared with 13.19 and 14.24 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Nov. 5, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	77	Typhoid fever,	64
Diphtheria and croup,	166	Measles,	50
Small-pox,	0		

(SIGNED) JOHN W. BARTOL, M.D.,
Acting Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Nov. 5, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, Oct. 30,	30.26	38	46	31	52	49		50	N.	N.	16	10		C.	C.			0.00
Monday, 31,	30.28	37	47	27	56	35		46	N.	W.	9	3		O.	C.			0.00
Tuesday, Nov. 1,	30.20	46	53	38	41	63		52	W.	N.	9	14		O.	C.			0.00
Wednesday, 2,	30.42	40	46	33	64	69		66	N. W.	S.	5	8		C.	C.			0.00
Thursday, 3,	30.11	48	56	41	73	81		77	S.	S. W.	11	12		O.	C.			0.00
Friday, 4,	29.92	50	55	44	84	74		79	W.	E.	9	10		C.	O.			0.00
Saturday, 5,	29.73	38	44	31	71	65		68	N.	N.	15	10		O.	C.			0.00
Week,	30.13		50	35				63										0.00

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 12, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 46.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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JOHN W. BARTOL, M.D., *Acting Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Nov. 12, 1904.

Deaths reported to the State Board of Health in 39 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from: Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	617,950	194	43	42	29	30	5	1	1
Worcester,	136,925	29	4	2	4	1	..	..	..
Fall River,	119,349	36	13	16	6	7	1	..	..
Lowell,	104,402	23	8	7	3	4	1	1	..
Cambridge,	100,998	22	5	3	6	..	..	2	..
Lynn,	73,875	19	3	3	..	2	..	1	..
Lawrence,	72,348	19	6	1	5	1	..	..	..
Springfield,	72,020	26	2	2	1	..	2	..	..
Somerville,	70,413	17	1	3	2	1	..	1	1
New Bedford,	68,863	31	11	6	5	5	..	1	..
Holyoke,	50,538	9	3	3	2	..	1	..	1
Brockton,	46,601	10	2	2	..	2	..	..	..
Newton,	39,310	8	..	..	..	..	..	..	..
Haverhill,	39,061	10	2	2	1	1	..	..	..
Malden,	37,205	6	1	2	..	2	..	..	..
Salem,	37,188	9	3	..	1	..	..	..	..
Chelsea,	36,499	11	4	..	2	..	..	..	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	5	1	1	..	..	..	..	..
Everett,	30,209	9	3	..	..	..	..	..	..
North Adams,	29,201	8	1	2	..	2	..	..	..
Quincy,	26,798	3	..	..	..	..	..	..	..
Gloucester,	26,121	4	..	..	..	..	..	..	..
Waltham,	25,797	10	1	3	1	3	..	..	..
Brookline,	23,576	..	..	..	..	..	..	..	..
Pittsfield,	22,870	..	..	..	..	..	..	..	..
Medford,	21,956	2	..	..	..	..	..	..	..
Chicopee,	21,692	4	2	1	..	1	..	..	..
Northampton,	20,314	8	0	..	..	..	..	..	..
Beverly,	15,807	4	..	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	0	..	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	5	0	1	1	1	..	..	..
Newburyport,	14,478	4	1	1	..	1	..	..	..
Woburn,	14,315	2	..	..	..	..	..	..	..
Melrose,	13,819	2	1	..	..	..	..	..	..
Westfield,	13,809	3	1	1	..	..	..	..	1
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	3	0	1	..	..	..	..	1
Revere,	13,609	0	..	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	2	1	1	1	..	..	..	..
Southbridge,	11,716	3	..	..	..	..	..	..	..
Watertown,	11,575	3	3	2	1	..	..	..	1
Weymouth,	11,350	3	0	1	..	1	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,136,815	566	126	109	71	65	10	7	6

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 39 Cities and Larger Towns of Massachusetts.

One hundred and nine deaths were reported from the principal infectious diseases: measles, 3; cerebro-spinal meningitis, 6; diphtheria and croup, 10; typhoid fever, 7; diarrhœal diseases, 19; erysipelas, 1.

No deaths were reported from scarlet fever, whooping-cough, puerperal fever, small-pox, malarial fever or influenza.

There were 65 deaths from consumption, acute lung diseases, 71, still-births, 37.

From measles: Boston, 2; Haverhill, 1. From cerebro-spinal meningitis: Boston, Somerville, Holyoke, Marlborough, Westfield and Watertown, 1 each. From diphtheria and croup: Boston, 5; Springfield, 2; Fall River, Lowell and Holyoke, 1 each. From erysipelas: Fall River, 1. From typhoid fever: Cambridge, 2; Boston, Lowell, Lynn, New Bedford and Somerville, 1 each.

Deaths under five years of age numbered 126, as compared with 157 for the preceding week.

Deaths from the principal infectious diseases numbered 109, as compared with 90 for the preceding week.

The death rates for the week were: Boston, 16.32; Worcester, 11.01; Fall River, 15.68; Lowell, 11.45; Cambridge, 11.32; Lynn, 13.37; Lawrence, 13.65; Springfield, 18.77; Somerville, 12.55; New Bedford, 23.40; Holyoke, 9.26; Brockton, 11.16; Newton, 10.58; Haverhill, 13.31; Malden, 8.38; Salem, 12.58; Chelsea, 15.67; Fitchburg, ——; Taunton, 7.52; Everett, 15.49; No. Adams, 14.25; Quincy, 5.82; Gloucester, 7.96; Waltham, 20.15; Brookline, ——; Pittsfield, ——; Medford, 4.74; Chicopee, 9.59; Northampton, 20.47; Beverly, 13.16; Leominster, ——; Clinton, ——; Adams, ——; Attleborough, ——; Hyde Park, 17.93; Newburyport, 14.37; Woburn, 7.26; Melrose, 7.52; Westfield, 11.29; Milford, ——; Marlborough, 11.46; Revere, ——; Framingham, ——; Peabody, ——; Gardner, 8.44; Southbridge, 13.31; Watertown, 13.47; Weymouth, 13.74; Plymouth, ——.

The total death rate for the week was 13.77, as compared with 13.51 and 13.19 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Nov. 12, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	69	Typhoid fever,	53
Diphtheria and croup,	157	Measles,	53
Small-pox,	0		

(SIGNED) JOHN W. BARTOL, M.D.,
Acting Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Nov. 12, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 6,	29.71	36	42	29	73	65	69	N.	N. W.	7	8		O.	O.			0.00
Monday, 7,	29.70	38	44	32	56	64	60	W.	W.	15	14		F.	C.			0.00
Tuesday, 8,	29.86	40	47	32	58	46	51	W.	N.	13	7		F.	C.			0.00
Wednesday, 9,	29.98	36	42	31	71	81	76	N.	N.	6	8		O.	C.			T
Thursday, 10,	30.16	38	47	30	74	62	68	N. W.	S. W.	8	8		C.	C.			0.00
Friday, 11,	30.02	34	39	30	70	72	71	N. W.	W.	9	5		O.	C.			0.00
Saturday, 12,	29.82	40	52	28	64	56	60	S. W.	S. W.	12	12		C.	C.			0.00
Week,	29.89		45	30			65										T

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of October, 1904: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	290	360	650	Canned Goods,	..	..	..
Butter,	3	1	4	Honey,	5	..	5
Cheese,	2	..	2	Tea,	2	..	2
Lard,	..	..	..	Coffee,	4	..	4
Olive Oil,	..	..	..	Cocoa,	..	..	..
Vinegar,	1	1	2	Confectionery,	2	1	3
Spices,	101	4	105	Lemon Extract,	1	4	5
Cream of Tartar,	18	..	18	Vanilla Extract,	4	2	6
Molasses,	13	..	13	Miscellaneous,	4	6	10
Syrups,	..	..	..	Drugs,	44	16	60
Maple Sugar,	2	..	2				
Maple Syrup,	..	7	7				
				Totals,	496	402	898

Percentage of adulteration, 44 8. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 55.4 per cent., while the percentage of articles of food was 13.8 per cent.

Nine complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs, as follows: —

No.	Date of Trial.	Name of Defendant.	Place.	Character of Article Sold.	Result of Trial.
1	October 18,	Dwight M. Aldrich,	Charlton,	Milk,	Conviction.
2	October 20,	Elof Erlandson,	Ashland,	Milk,	Conviction.
3	October 21,	John Kerr,	Gloucester,	*	Conviction.
4	October 21,	John Kerr,	Gloucester,	Milk,	Nol Prossed.
5	October 21,	Frank W. Story,	Gloucester,	Milk,	Conviction.
6	October 21,	Manuel P. Madruga,	Gloucester,	Milk,	Conviction.
7	October 21,	John Perry,	Gloucester,	Milk (colored),	Conviction.
8	October 21,	Manual F. Arnilla,	Gloucester,	Milk,	Conviction.
9	October 27,	Richard Binnall,	Dover,	Milk,	Conviction.†

Note. — The total amount of solids in samples of milk upon which the foregoing cases were entered were 10.63; 11.16; 11.56; 10.68; 9.56; 11.34 and 10.38.

* Charge: Obstructing an Officer. Fined $100.00.

† Second offence. Fined $100.00.

Total amount of fines, $361.64.

The samples of drugs found adulterated were Extractum Glycyrrhizæ, Extractum Zingiberis Fluidum, Maeis, Oleum Caryophylli, Oleum Morrhuæ, Oleum Olivæ, Spiritus Frumenti, Spiritus Myrciæ and Tinctura Iodi.

Cities and towns from which samples of food were collected were: Boston, Worcester, Haverhill, Lawrence, Lowell, Clinton, Newburyport, Salem, Lynn, Waltham, Everett, Somerville, Brockton, Hyde Park, Holyoke, Webster, Dover, Ayer, Chelsea, Sherborn, Revere, So. Framingham, Attleborough, Cambridge, Plymouth, Gloucester, Marlborough and Watertown.

Commonwealth of Massachusetts.—State Board of Health.

Publication of Results of Analyses of Certain Articles of Food, required by Chapter 272 of the Acts of 1902, for the Month of October, 1904.

Number of Sample.	Date of Collection.	City or Town where Purchased.	Character of Sample.	Brand or Name of Manufacturer, Wholesaler or Producer.	Results of Analyses.
6861 M	October 6.	Allston.	Maple Syrup.	Frank Whitcher, Marshfield, Vt.	Admixture of refined cane sugar.
6863 M	October 6.	Allston.	Maple Syrup.	Whitcher's. Ayer Preserving Co., Ayer, Mass.	Admixture of refined cane sugar.
778 L	October 1.	Worcester.	Maple Syrup.	Mohican Co, U. S. A.	Admixture of refined cane sugar.
864 L	October 7.	Holyoke.	Maple Syrup.	Blue Ridge Packing Co., N. Y.	Admixture of refined cane sugar.
866 L	October 7.	Holyoke.	Maple Syrup.	Home City Brand. Springfield Pickling Co., Springfield, Mass.	Admixture of refined cane sugar.
958 L	October 11.	Webster.	Maple Syrup.	Merrimac Brand. Riverside Preserving Co, Lowell, Mass.	Admixture of refined cane sugar.
1014 L	October 13.	Ayer.	Maple Syrup.	Gladstone Brand. Brigs, Seaver Co., Boston, Mass.	Admixture of refined cane sugar.
1016 L	October 13.	Ayer.	Maple Syrup.	Kite Brand. Warranted Strictly Pure. J. D. Dewell & Co., New Haven, Conn.	Admixture of refined cane sugar.
51293	October 19.	Everett.	Maple Syrup.	Manhattan Club. J. H. Folkins & Co., Boston, Mass.	Admixture of refined cane sugar.
51311	October 20.	Somerville.	Maple Syrup.	Colman Co-operative Co., Quincy, Mass	Admixture of refined cane sugar.
51288	October 19.	Boston	Maple Syrup.	W. J. Lamb, W. Somerville, Mass.	Admixture of refined cane sugar.
1318 L	October 28	Revere.	Maple Syrup.	E. D. Pettengill Co., Portland, Me.	Admixture of refined cane sugar.
51236	October 15.	Boston.	Hamburg Steak.	Prepared with one tenth of 1 per cent. xxx Preservaline.	Preserved with sulphurous acid. Name and per cent. of preservatives not given.
51240	October 15.	Boston.	Hamburg Steak.	Atwood's, 48 North St, Boston, Mass. Prepared with one tenth of 1 per cent. xxx Preservaline.	Preserved with sulphurous acid. Name and per cent. of preservatives not given.
884 L	October 7.	Holyoke.	Lemon Extract.	Grand Union Tea Co., "Concentrated." Brooklyn, N. Y.	3.5% lemon oil. 72.29% alcohol.
50659	September 3.	Wilmington.	Lemon Extract.	Kidder's "Concentrated." Kidder & Co., Boston.	1 % lemon oil. 66 77% alcohol.
6621 M	September 20.	Newburyport	Lemon Extract	St. Johns St. John Extract Co., New York.	No lemon oil. 33.81% alcohol. Formula reads "70 parts hydro-alcoholic solution oil lemon, 30 parts agua."
642 L	September 24.	Lowell.	Vanilla Extract.	"Imperial." No address.	A tincture of tonka. No vanillin.
638 L	September 24	Lowell.	Vanilla Extract.	No brand. Picture of basket of fruit on bottle. No address.	Artificial tincture of vanillin and coumarin.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 19, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 47.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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JOHN W. BARTOL, M.D., *Acting Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Nov. 19, 1904.

Deaths reported to the State Board of Health in 38 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	617,950	199	48	34	36	21	7	2	3
Worcester,	136,925	29	11	3	5	..	..	1	2
Fall River,	119,349	21	7	6	3	3	..	..	3
Lowell,	104,402	33	2	4	6	2	1	..	1
Cambridge,	100,998	27	9	5	3	3	..	..	2
Lynn,	73,875	20	4	1	..	1	..	..	..
Lawrence,	72,348	18	4	5	4	2	..	1	1
Springfield,	72,020	..	..	..	..	..	..	..	..
Somerville,	70,413	15	3	2	5	1	..	1	..
New Bedford,	68,863	19	7	2	1	2	..	..	..
Holyoke,	50,538	..	..	..	..	..	..	..	..
Brockton,	46,601	10	3	1	1	1	..	..	..
Newton,	39,310	4	1	..	..	..	..	..	..
Haverhill,	39,061	13	1	2	..	2	..	..	..
Malden,	37,205	12	4	5	3	4	..	1	..
Salem,	37,188	13	4	3	..	1	1	1	..
Chelsea,	36,499	18	1	3	1	2	1	..	..
Fitchburg,	36,335	9	3	..	1	..	..	..	..
Taunton,	34,577	..	..	..	..	..	..	..	..
Everett,	30,209	3	..	..	..	..	..	..	..
North Adams,	29,201	6	1	4	..	2	1	1	..
Quincy,	26,798	9	3	..	3	..	..	..	..
Gloucester,	26,121	13	4	..	..	..	..	..	..
Waltham,	25,797	4	1	..	1	..	..	..	..
Brookline,	23,576	9	..	..	..	..	..	..	..
Pittsfield,	22,870	7	1	..	..	..	..	..	..
Medford,	21,956	3	..	..	..	..	..	..	..
Chicopee,	21,692	3	1	..	..	..	..	..	..
Northampton,	20,314	8	4	..	..	..	..	..	..
Beverly,	15,807	4	..	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	1	..	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	4	2	..	..	..	..	..	..
Newburyport,	14,478	..	..	..	..	..	..	..	..
Woburn,	14,315	4	..	..	1	..	..	..	..
Melrose,	13,819	2	..	..	..	..	..	..	..
Westfield,	13,809	3	..	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	2	0	..	..	..	..	..	..
Revere,	13,609	3	2	..	1	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	2	..	..	..	..	..	..	..
Southbridge,	11,716	2	1	1	..	..	..	..	1
Watertown,	11,575	5	1	..	2	..	..	..	..
Weymouth,	11,350	4	1	2	..	..	2	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns,	2,047,983	561	134	83	77	47	13	8	13

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 38 Cities and Larger Towns of Massachusetts.

Eighty-three deaths were reported from the principal infectious diseases: scarlet fever, 1; diphtheria and croup, 13; typhoid fever, 8; erysipelas, 1; diarrhœal diseases, 13.

No deaths were reported from measles, cerebro-spinal meningitis, puerperal fever, whooping-cough, small-pox, malarial fever or influenza.

There were 47 deaths from consumption, acute lung diseases, 77, still-births, 44.

From scarlet fever: Lawrence, 1. From diphtheria and croup: Boston, 7; Lowell, Salem, Chelsea and North Adams, 1 each; Weymouth, 2. From erysipelas: Boston, 1. From typhoid fever: Boston, 2; Worcester, Lawrence, Somerville, Salem, Malden and North Adams, 1 each. From diarrhœal diseases: Boston, 3; Fall River, 3; Worcester, 2; Cambridge, 2; Lowell, Lawrence and Southbridge, 1 each.

Deaths under five years of age numbered 134, as compared with 126 for the preceding week.

Deaths from the principal infectious diseases numbered 83, as compared with 109 for the preceding week.

The death rates for the week were: Boston, 16.75; Worcester, 11.01; Fall River, 9.15; Lowell, 16.44; Cambridge, 13.90; Lynn, 14.08; Lawrence, 12.94; Springfield, ——; Somerville, 11.08; New Bedford, 14.34; Holyoke, ——; Brockton, 11.16; Newton, 5.29; Haverhill, 17.30; Malden, 16.76; Salem, 18.17; Chelsea, 25.65; Fitchburg, 12.88; Taunton, ——; Everett, 5.16; No. Adams, 10.68; Quincy, 17.46; Gloucester, 25.87; Waltham, 8.06; Brookline, 19.84; Pittsfield, 15.92; Medford, 7.10; Chicopee, 7.19; Northampton, 20.46; Beverly, 13.16; Leominster, ——; Clinton, 3.31; Adams, ——; Attleborough, ——; Hyde Park, 14.34; Newburyport, ——; Woburn, 14.53; Melrose, 7.53; Westfield, 11.29; Milford, ——; Marlborough, 7.64; Revere, 11.46; Framingham, ——; Peabody, ——; Gardner, 8.44; Southbridge, 8.87; Watertown, 22.46; Weymouth, 18.32; Plymouth, ——.

The total death rate for the week was 14.24, as compared with 13.77 and 13.51 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Nov. 19, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	79	Typhoid fever,	68
Diphtheria and croup,	164	Measles,	43
Small-pox,	0		

(SIGNED) JOHN W. BARTOL, M.D.,
Acting Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Nov. 19, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 13,	29.76	40	45	36	71	96		84	S. W.	N. E.	9	20	R.	R.		1.18
Monday, 14,	29.44	38	41	34	70	58		64	N. W.	N. W.	28	18	O.	C.		0.38
Tuesday, 15,	30.10	42	49	34	60	60		60	W.	W.	16	8	C.	C.		0.00
Wednesday, 16,	30.16	42	49	34	64	60		62	W.	N. W.	10	18	O.	N.		T
Thursday, 17,	30.56	28	34	21	34	70		52	N.	N.	17	9	C.	C.		T
Friday, 18,	30.35	26	34	17	70	72		71	N.	N.	11	9	O.	C.		0.00
Saturday, 19,	30.10	36	50	22	54	41		48	N. W.	W.	8	9	C.	C.		0.00
Week,	30.07		43	28				66								1.56

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

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MORTALITY OF MASSACHUSETTS

For the Week ending Nov. 26, 1904.

Deaths reported to the State Board of Health in 40 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

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CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	617,950	212	51	43	52	26	3	7	3
Worcester,	136,925	53	13	6	8	2	..	1	2
Fall River,	119,349	25	12	5	5	1	..	..	4
Lowell,	104,402	41	15	5	3	4	1	..	..
Cambridge,	100,998	23	6	7	6	7	..	..	..
Lynn,	73,875	22	3	2	1	2	..	..	..
Lawrence,	72,348	11	4	1	3	..	..	..	1
Springfield,	72,020	..	..	..	..	..	..	..	..
Somerville,	70,413	19	5	1	3	..	..	..	1
New Bedford,	68,863	17	4	3	5	3	..	..	..
Holyoke,	50,538	14	3	1	4	1	..	..	..
Brockton,	46,601	5	2	1	..	..	..	..	..
Newton,	39,310	15	4	1	4	1	..	..	..
Haverhill,	39,061	11	3	1	3	1	..	..	..
Malden,	37,205	8	4	1	2	1	..	..	..
Salem,	37,188	17	3	2	3	..	1	1	..
Chelsea,	36,499	20	6	5	3	1	..	3	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	8	..	..	2	..	..	..	..
Everett,	30,209	7	2	1	..	1	..	..	..
North Adams,	29,201	6	1	..	..	..	..	..	..
Quincy,	26,798	5	2	..	..	..	..	..	..
Gloucester,	26,121	8	3	1	..	..	1	..	..
Waltham,	25,797	9	1	1	1	..	1	..	..
Brookline,	23,576	5	..	..	1	..	..	..	..
Pittsfield,	22,870	6	..	..	1	..	..	..	..
Medford,	21,956	5	2	..	..	..	..	..	..
Chicopee,	21,692	5	3	..	..	..	..	..	..
Northampton,	20,314	8	0	1	..	1	..	..	..
Beverly,	15,807	4	..	2	..	..	1	1	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	1	..	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	3	0	..	..	..	..	..	..
Newburyport,	14,478	2	1	1	..	..	1	..	..
Woburn,	14,315	1	..	..	1	..	..	..	..
Melrose,	13,819	0	..	..	..	..	..	..	..
Westfield,	13,809	2	..	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	2	2	1	..	..	..	..	..
Revere,	13,609	3	1	1	1	..	..	1	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	3	..	..	..	..	..	..	..
Southbridge,	11,716	2	2	2	..	1	1	..	..
Watertown,	11,575	1	0	..	..	..	..	..	..
Weymouth,	11,350	1	0	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns,	2,111,241	610	158	96	112	53	10	14	11

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 40 Cities and Larger Towns of Massachusetts.

Ninety-six deaths were reported from the principal infectious diseases: measles, 2; scarlet fever, 1; cerebro-spinal meningitis, 3; diphtheria and croup, 10; typhoid fever, 14; diarrhœal diseases, 11; whooping cough, 2.

No deaths were reported from puerperal fever, small-pox, erysipelas, malarial fever or influenza.

There were 53 deaths from consumption, acute lung diseases, 112, still-hirths, 43.

From measles: Boston, 1; Chelsea, 1. From scarlet fever: Boston, 1. From cerebro-spinal meningitis: Worcester, Brockton and Marlhorough, 1 each. From diphtheria and croup: Boston, 3; Lowell, Salem, Gloucester, Waltham, Newburyport, Beverly and Southhridge, 1 each. From whooping cough; Boston, 2. From typhoid fever: Boston, 7; Chelsea, 3; Worcester, Salem, Revere and Beverly, 1 each. From diarrhœal diseases: Boston, 3; Worcester, 2; Fall River, 4; Lawrence and Somerville, 1 each.

Deaths under five years of age numhered 158, as compared with 134 for the preceding week.

Deaths from the principal infectious diseases numhered 96, as compared with 83 for the preceding week.

The death rates for the week were: Boston, 17.84; Worcester, 20.13; Fall River, 10.89; Lowell, 20.42; Camhridge, 11.84; Lynn, 15.48; Lawrence, 7.90; Springfield, ——; Somerville, 14.03; New Bedford, 12.83; Holyoke, 14.40; Brockton, 5.58; Newton, 19.84; Haverhill, 14.64; Malden, 11.17; Salem, 23.76; Chelsea, 28.50; Fitchhurg, ——; Taunton, 12.03; Everett, 12.04; No. Adams, 10.68; Quincy, 9.70; Gloucester, 15.92; Waltham, 18.13; Brookline, 11.02; Pittsfield, 13.64; Medford, 11.84; Chicopee, 11.98; Northampton, 20.47; Beverly, 13.16; Leominster, ——; Clinton, 3.31; Adams, ——; Attleborough, ——; Hyde Park, 10.76; Newhuryport, 7.18; Wohurn, 3.63; Melrose, ——; Westfield, 7.53; Milford, ——; Marlhorough, 7.64; Revere, 11.46; Framingham, ——; Peabody, ——; Gardner, 12.66; Southhridge, 8.87; Watertown, 4.49; Weymouth, 4.58; Plymouth, ——.

The total death rate for the week was 15.02, as compared with 14.24 and 13.77 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Nov. 26, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	82	Typhoid fever,	63
Diphtheria and croup,	147	Measles,	77
Small-pox,	0		

(SIGNED) JOHN W. BARTOL, M.D.,
Acting Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Nov. 26, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 20,	29.86	50	60	40	55	61		58	S. W.	S. W.	6	12		C.	O.			0.00
Monday, 21,	29.82	44	52	36	72	68		70	W.	N. W.	12	12		F.	O.			0.03
Tuesday, 22,	29.98	40	49	31	66	63		65	W.	S. W.	8	9		C.	O.			0.00
Wednesday, 23,	29.92	46	52	40	71	73		72	W.	S. E.	10	9		C.	O.			0.00
Thursday, 24,	29.56	39	42	36	89	79		84	N.	N. W.	14	12		O.	C.			0.03
Friday, 25,	29.62	36	40	32	64	72		68	N. W.	W.	20	15		F.	C.			0.00
Saturday, 26,	30.01	32	37	26	60	51		56	W.	W.	16	9		C.	C.			0.00
Week,	29.82		47	34				68										0.06

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 3, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 49.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

JOHN W. BARTOL, M.D., *Acting Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Dec. 3, 1904.

Deaths reported to the State Board of Health in 43 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	617,950	230	59	55	41	30	4	8	2
Worcester,	136,925	28	9	3	3	..	..	..	2
Fall River,	119,349	39	15	12	7	7	..	..	..
Lowell,	104,402	30	10	6	3	2	3	1	..
Cambridge,	100,998	14	5	4	4	3	1	..	..
Lynn,	73,875	25	4	4	..	2	1	1	..
Lawrence,	72,348	29	9	5	3	3	1	..	..
Springfield,	72,020	..	..	..	..	..	..	..	..
Somerville,	70,413	18	6	3	7	1	..	2	..
New Bedford,	68,863	24	8	5	7	3	1	1	..
Holyoke,	50,538	12	3	2	1	2	..	..	..
Brockton,	46,601	8	0	1	..	1	..	..	..
Newton,	39,310	9	1	1	2	1	..	..	..
Haverhill,	39,061	8	5	3	1	..	..	1	..
Malden,	37,205	8	1	2	1	1	..	..	..
Salem,	37,188	5	1	1	..	1	..	..	..
Chelsea,	36,499	14	3	2	3	2	..	..	..
Fitchburg,	36,335	10	1	1	1	1	..	..	..
Taunton,	34,577	10	2	3	1	2	..	..	..
Everett,	30,209	8	3	2	..	..	..	1	1
North Adams,	29,201	4	2	..	1	..	..	..	..
Quincy,	26,798	4	..	..	1	..	..	..	..
Gloucester,	26,121	13	4	2	..	1	..	..	1
Waltham,	25,797	7	..	3	1	3	..	..	..
Brookline,	23,576	7	..	..	..	..	..	..	..
Pittsfield,	22,870	5	..	2	2	2	..	..	..
Medford,	21,956	6	2	1	2	..	1	..	..
Chicopee,	21,692	6	3	4	..	1	1	1	..
Northampton,	20,314	7	1	2	..	1	..	1	..
Beverly,	15,807	7	1	2	1	1	..	1	..
Leominster,	15,711	2	..	..	..	..	..	..	..
Clinton,	15,694	3	1	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	1	0	..	..	..	..	..	..
Hyde Park,	14,500	2	1	..	..	..	..	..	..
Newburyport,	14,478	3	0	..	1	..	..	..	..
Woburn,	14,315	5	..	..	1	..	..	..	..
Melrose,	13,819	7	2	2	1	2	..	..	..
Westfield,	13,809	4	..	1	..	1	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	4	0	..	..	..	..	..	..
Revere,	13,609	5	1	1	3	1	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	3	3	1	..	..	..	..	..
Southbridge,	11,716	6	3	6	..	1	2	..	..
Watertown,	11,575	4	1	..	..	..	..	..	..
Weymouth,	11,350	5	1	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,177,848	659	171	142	99	76	15	18	6

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1905. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 43 Cities and Larger Towns of Massachusetts.

One hundred and forty-two deaths were reported from the principal infectious diseases: measles, 2; scarlet fever, 3; diphtheria and croup, 15; typhoid fever, 18; whooping cough, 2; erysipelas, 1; diarrhœal diseases, 19; cerebro-spinal meningitis, 6.

No deaths were reported from small-pox, puerperal fever, malarial fever or influenza.

There were 76 deaths from consumption, acute lung diseases, 99, still-births, 39.

From measles: Haverhill, 2. From scarlet fever: Boston, 2; Taunton, 1. From cerebro-spinal meningitis: Boston, 2; Worcester, 2; Gloucester, 1; Everett, 1. From diphtheria and croup: Boston, 4; Lowell, 3; Cambridge, Lynn, Lawrence, New Bedford, Chicopee and Medford, 1 each; Southbridge, 2. From whooping cough: Boston and Fall River, 1 each. From erysipelas: Gardner, 1. From typhoid fever: Boston, 8; Somerville, 2; Lowell, Lynn, New Bedford, Haverhill, Everett, Chicopee, Northampton and Beverly, 1 each.

Deaths under five years of age numbered 171, as compared with 158 for the preceding week.

Deaths from the principal infectious diseases numbered 142, as compared with 96 for the preceding week.

The death rates for the week were: Boston, 19.35; Worcester, 10.63; Fall River, 16.99; Lowell, 14.94; Cambridge, 7.20; Lynn, 17.59; Lawrence, 20.84; Springfield, ——; Somerville, 13.29; New Bedford, 18.12; Holyoke, 12.34; Brockton, 8.93; Newton, 11.90; Haverhill, 10.65; Malden, 11.17; Salem, 20.97; Chelsea, 19.95; Fitchburg, 14.31; Taunton, 15.04; Everett, 13.77; No. Adams, 7.12; Quincy, 7.76; Gloucester, 25.87; Waltham, 14.10; Brookline, 15.43; Pittsfield, 11.37; Medford, 14.20; Chicopee, 14.38; Northampton, 17.91; Beverly, 23.03; Leominster, 6.62; Clinton, 9.94; Adams, ——; Attleborough, 3.57; Hyde Park, 7.17; Newburyport, 10.77; Woburn, 18.16; Melrose, 26.34; Westfield, 15.06; Milford, ——; Marlborough, 15.28; Revere, 19.10; Framingham, ——; Peabody, ——; Gardner, 12.65; Southbridge, 26.62; Watertown, 17.96; Weymouth, 22.90; Plymouth, ——.

The total death rate for the week was 15.73, as compared with 15.02 and 14.24 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Dec. 3, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	65	Typhoid fever,	57
Diphtheria and croup,	161	Measles,	62
Small-pox,	0		

(SIGNED) JOHN W. BARTOL, M.D.,
Acting Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Dec. 3, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, Nov. 27,	29.94	26	32	21	80	82	81	N. W.	N. W.	2	9	C.	C.		0.00
Monday, 28,	30.13	22	28	16	77	56	66	N. W.	N. W.	14	12	F.	C.		T
Tuesday, 29,	30.03	32	49	15	62	81	72	S.	S. W.	10	12	O.	O.		T
Wednesday, 30,	29.86	46	54	38	82	63	72	S. W.	W.	8	10	O.	C.		0.08
Thursday, Dec. 1,	29.91	34	38	30	59	45	52	W.	S. W.	14	12	F.	C.		0.00
Friday, 2,	30.27	24	32	17	54	44	49	W.	N. W.	8	12	F.	C.		0.00
Saturday, 3,	30.38	20	24	15	75	71	73	N.	N.	14	8	O.	C.		0.00
Week,	30.07		37	22			66								0.08

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 10, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 50.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Dec. 10, 1904.

Deaths reported to the State Board of Health in 40 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	617,950	197	42	30	40	17	2	7	..
Worcester,	136,925	33	7	4	2	2	..	..	2
Fall River,	119,349	26	11	7	5	2	4	1	..
Lowell,	104,402	25	8	6	1	6	..	..	..
Cambridge,	100,998	31	4	6	6	4	1	1	..
Lynn,	73,875	14	3	1	4	1	..	..	..
Lawrence,	72,348	15	5	3	5	2	..	..	1
Springfield,	72,020	16	2	2	1	2	..	..	..
Somerville,	70,413	24	4	7	2	4	..	..	2
New Bedford,	68,863	28	11	4	6	3	..	..	..
Holyoke,	50,538	10	4	1	2	1	..	..	..
Brockton,	46,601	11	3	3	2	3	..	..	..
Newton,	39,310	4	1	2	..	..	2	..	..
Haverhill,	39,061	11	5	4	1	..	1	1	..
Malden,	37,205	6	..	1	..	..	..	1	..
Salem,	37,188	18	1	..	3	..	..	..	..
Chelsea,	36,499	14	0	2	..	2	..	..	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	14	3	2	2	2	..	..	..
Everett,	30,209	5	1	..	..	..	..	..	..
North Adams,	29,201	8	1	1	..	1	..	..	..
Quincy,	26,798	..	..	..	..	..	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	10	1	1	..	1	..	..	..
Brookline,	23,576	6	..	..	..	..	..	..	..
Pittsfield,	22,870	8	..	1	..	1	..	..	..
Medford,	21,956	5	..	..	1	..	..	..	..
Chicopee,	21,692	6	3	..	1	..	..	..	..
Northampton,	20,314	4	2	..	..	..	..	..	..
Beverly,	15,807	3	..	1	..	1	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	4	1	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	5	1	..	1	..	..	..	..
Newburyport,	14,478	6	1	1	1	..	..	..	1
Woburn,	14,315	7	3	..	1	..	..	..	..
Melrose,	13,819	1	0	..	..	..	..	..	..
Westfield,	13,809	8	2	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	3	0	..	..	..	..	..	..
Revere,	13,609	4	2	..	..	..	..	..	..
Framingham,	12,974	6	2	..	1	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	2	..	1	..	1	..	..	..
Southbridge,	11,716	3	3	3	..	..	1	..	..
Watertown,	11,575	0	..	..	..	..	..	..	..
Weymouth,	11,350	4	0	..	1	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,143,316	605	137	94	89	56	11	11	6

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 40 Cities and Larger Towns of Massachusetts.

Ninety-four deaths were reported from the principal infectious diseases: measles, 1; scarlet fever, 3; diphtheria and croup, 11; typhoid fever, 11; erysipelas, 4; diarrhœal diseases, 1; cerebro-spinal meningitis, 6; puerperal fever, 1.

No deaths were reported from small-pox, whooping cough, malarial fever or influenza.

There were 56 deaths from consumption, acute lung diseases, 89, still-births, 31.

From measles: Haverhill, 1. From scarlet fever: Boston, 2; Somerville, 1. From cerebro-spinal meningitis: Worcester, 2; Lawrence, 1; Somerville, 2; Newburyport, 1. From diphtheria and croup: Boston, 2; Fall River, 4; Cambridge, 1; Haverhill, 1; Newton, 2; Southbridge, 1. From erysipelas: Boston, 2; New Bedford, 1; Haverhill, 1. From typhoid fever: Boston, 7; Fall River, Cambridge, Haverhill and Malden, 1 each.

Deaths under five years of age numbered 137, as compared with 171 for the preceding week.

Deaths from the principal infectious diseases numbered 94, as compared with 142 for the preceding week.

The death rates for the week were: Boston, 16.58; Worcester, 12.53; Fall River, 11.33; Lowell, 12.45; Cambridge, 15.96; Lynn, 9.85; Lawrence, 10.78; Springfield, 11.55; Somerville, 17.72; New Bedford, 21.14; Holyoke, 10.29; Brockton, 12.27; Newton, 5.29; Haverhill, 14.64; Malden, 8.38; Salem, 25.16; Chelsea, 19.95; Fitchburg, ——; Taunton, 21.05; Everett, 8.60; No. Adams, 14.29; Quincy, ——; Gloucester, ——; Waltham, 20.15; Brookline, 13.23; Pittsfield, 18.19; Medford, 11.84; Chicopee, 14.38; Northampton, 10.24; Beverly, 9.87; Leominster, ——; Clinton, 13.25; Adams, ——; Attleborough, ——; Hyde Park, 17.93; Newburyport, 21.55; Woburn, 25.42; Melrose, 3.76; Westfield, 30.12; Milford, ——; Marlborough, 11.46; Revere, 15.28; Framingham, 24.05; Peabody, ——; Gardner, 8.43; Southbridge, 13.31; Watertown, ——; Weymouth, 18.32; Plymouth, ——.

The total death rate for the week was 14.68, as compared with 15.73 and 15.02 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Dec. 10, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	62	Typhoid fever,	51
Diphtheria and croup,	162	Measles,	77
Small-pox,	0		

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Dec. 10, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 4,	30.24	26	35	16	68	49	58	W.	N. W.	5	15	C.	C.		0.00
Monday, 5,	30.16	26	32	19	63	100	82	W.	N. W.	10	6	F.	N.		0.12
Tuesday, 6,	30.02	28	33	23	75	43	59	N. W.	W.	9	7	C.	C.		0.12
Wednesday, 7,	29.64	31	38	24	78	71	75	S. W.	W.	12	15	O.	C.		0.00
Thursday, 8,	29.49	26	29	22	76	87	82	S. W.	N. W.	5	9	O.	C.		0.03
Friday, 9,	29.88	25	11	18	77	58	68	N. W.	W.	12	12	O.	C.		T
Saturday, 10,	29.97	18	8	13	63	56	60	N. W.	N.	10	12	O.	O.		T
Week,	29.91		27	19			69								0.27

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of November, 1904: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	307	321	628	Canned Goods	1	3	4
Butter,	12	2	14	Honey,	6	. .	6
Cheese,	3	. .	3	Tea,	5	. .	5
Lard,	3	3	6	Coffee,	10	1	11
Olive Oil,	. .	. .	. .	Cocoa and Chocolate,	1	. .	1
Vinegar,	8	7	15	Vanilla Extract,	1	3	4
Spices,	93	2	95	Lemon Extract,	. .	4	4
Cream of Tartar,	21	. .	21	Miscellaneous,	6	4	10
Molasses,	5	. .	5	Drugs,	43	20	63
Syrups,	. .	. .	. .				
Maple Sugar,	. .	. .	. .				
Maple Syrup,	1	20	21				
				Totals,	526	390	916

Percentage of adulteration, 42 6. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 51.1 per cent., while the percentage of articles of food was 21.8 per cent.

Five complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs, as follows: —

No.	Date of Trial.	Name of Defendant.	Place.	Character of Article Sold.	Result of Trial.
1	November 23,	M. Goldman,	Chelsea,	Milk,	Conviction.
2	November 23,	M. Goldman,	Chelsea,	Milk,	Conviction.
3	November 29,	Fred W. Crooker,	Lowell,	Milk,	Conviction.
4	November 29,	James Kousoulas,	Lowell,	Milk,	Conviction.
5	November 29,	Nelson C. Clermont,	Lowell,	Milk,	Conviction.

Note. — The total amount of solids in samples of milk upon which the foregoing cases were entered were 11.47; 11.40; 11.44; 11.85; and 11.63.

Three samples were found to be colored.

Total amount of fines, $62.00.

The samples of drugs found adulterated were Extractum Glycyrrhizæ, Oleum Caryophylli, Oleum Cinnamomi, Oleum Limonis, Spiritus Myrciæ, Tinctura Iodi, Tinctura Opii, Unguentum Hydrargyri.

Cities and towns from which samples of food were collected were: Boston, Cambridge, Somerville, Springfield, Holyoke, Newton, Gloucester, Waltham, Pittsfield, Watertown, Weymouth, Lexington, New Bedford, Winthrop, Lowell, Attleborough, Brookline, Marlborough, Hyde Park, Andover, Woburn, Chelsea, Fall River, Malden, Medford and Everett.

Commonwealth of Massachusetts.—State Board of Health.

Publication of Results of Analyses of Certain Articles of Food, required by Chapter 272 of the Acts of 1902, for the Month of November, 1904.

Number of Sample.	Date of Collection.	City or Town where Purchased.	Character of Sample.	Brand or Name of Manufacturer, Wholesaler or Producer.	Results of Analyses.
51471	November 1.	Brookline.	Petits Pois. Extra Fins.	R. Monbadon, Paris.	Greened with copper.
51818	November 28.	Charlestown.	Petits Pois. Extra Fins.	G. Graemer, Malines, Belgique.	Greened with copper.
51745	November 18.	Boston.	Petits Pois, Moyens.	A. Corbeille, Wespelae,	Greened with copper.
7207 M	November 3.	Somerville.	Lemon Extract.	"Shepard's". Le Monte Extract Co., Cambridge.	0.1% lemon oil. 51.27% alcohol. No formula.
51604	November 9.	New Bedford	Lemon Extract.	"Standard". Davis & Hatch, New Bedford, Mass.	1.2% lemon oil. 70.3% alcohol. No formula.
1722 L	November 18.	Holyoke.	Lemon Extract.	Gem, Concentrated. Geo. A. Moss, New York.	Contains no lemon oil. Formula incorrect and misleading.
51534	November 4.	Somerville.	Vanilla Extract.	White Cross. White Cross Extract Co , Boston.	Large admixture of coumarin. No formula.
51726	November 17.	Everett.	Vanilla Extract.	Alfreds' Ten Cent Compound. Alfred Extract Co., Everett.	Large admixture of coumarin. No formula.
1228 L	October 24.	Boston.	Maple Syrup.	E. T. Cowdrey & Co., Boston, Mass.	Large admixture of refined cane sugar.
1226 L	October 24.	Boston.	Maple Syrup.	W. J. Lamb, W. Somerville, Mass.	Large admixture of refined cane sugar.
1234 L	October 24.	Boston.	Maple Syrup.	Manhattan Club. J. H. Folkins & Co., Boston, Mass.	Large admixture of refined cane sugar.
51621	November 10.	Fall River.	Maple Syrup.	Golden Vesta. Cooper & Sisson, Providence, R. I.	Large admixture of refined cane sugar.
51691	November 15.	Somerville.	Maple Syrup.	C. A. Reed, Medford, Mass.	Large admixture of refined cane sugar.
7477 M	November 14.	Boston.	Maple Syrup.	Victor. Simpson Spring Co., So. Easton, Mass.	Large admixture of refined cane sugar.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 17, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 51.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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JOHN W. BARTOL, M.D., Boston.

CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Dec. 17, 1904.

Deaths reported to the State Board of Health in 43 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Prineipal Infeetious Diseases.	Aeute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	617,950	209	53	35	39	21	5	3	1
Worcester,	136,925	38	7	1	6	1	..	..	..
Fall River,	119,349	24	7	7	4	4	1	..	..
Lowell,	104,402	39	13	6	10	4	2	..	..
Cambridge,	100,998	20	5	2	6	1	..	..	..
Lynn,	73,875	29	7	2	5	..	1	1	..
Lawrence,	72,348	23	7	4	9	1	..	1	..
Springfield,	72,020	20	5	4	2	2	2	..	..
Somerville,	70,413	16	3	2	2	..	1	..	1
New Bedford,	68,863	16	5	4	2	3	..	1	..
Holyoke,	50,538	12	6	3	2	1	..	..	1
Brockton,	46,601	13	4	2	3	1	..	..	1
Newton,	39,310	8	3	..	..	..	..	..	..
Haverhill,	39,061	16	2	2	1	1	..	..	1
Malden,	37,205	21	6	..	3	..	..	..	..
Salem,	37,188	10	3	..	..	..	..	..	..
Chelsea,	36,499	20	3	7	3	3	..	2	..
Fitchburg,	36,335	8	2	1	3	..	..	1	..
Taunton,	34,577	8	2	..	..	..	..	..	..
Everett,	30,209	2	1	..	..	..	..	..	..
North Adams,	29,201	5	0	1	1	..	1	..	..
Quincy,	26,798	4	2	2	..	1	..	..	..
Gloucester,	26,121	6	1	..	..	..	..	..	..
Waltham,	25,797	7	1	..	2	..	..	..	..
Brookline,	23,576	8	..	..	1	..	..	..	..
Pittsfield,	22,870	6	1	..	1	..	..	..	..
Medford,	21,956	2	1	..	..	..	..	..	..
Chicopee,	21,692	2	1	..	1	..	..	..	..
Northampton,	20,314	11	0	3	..	3	..	..	..
Beverly,	15,807	6	..	..	3	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	2	0	..	..	..	..	..	..
Adams,	14,745	4	1	..	2	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	3	1	..	..	..	..	..	..
Newburyport,	14,478	4	1	1	..	..	..	..	..
Woburn,	14,315	6	1	1	1	..	..	..	..
Melrose,	13,819	3	1	2	..	2	..	..	..
Westfield,	13,809	6	2	4	..	1	1	2	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	2	1	1	..	..	..	..	1
Revere,	13,609	1	..	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	4	2	..	2	..	..	..	..
Southbridge,	11,716	2	..	1	..	..	1	..	..
Watertown,	11,575	6	1	2	2	1	..	..	..
Weymouth,	11,350	3	0	..	1	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infeetious Diseases.	Aeute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,234,341	655	162	100	117	51	15	11	6

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 43 Cities and Larger Towns of Massachusetts.

One hundred deaths were reported from the principal infectious diseases: scarlet fever, 3; cerebro-spinal meningitis, 6; diphtheria and croup, 15; typhoid fever, 11; diarrhœal diseases, 11; whooping cough, 1; erysipelas, 1; puerperal fever, 1.

No deaths were reported from measles, small-pox, malarial fever or influenza.

There were 51 deaths from consumption, acute lung diseases, 117, still-births, 41.

From scarlet fever: Boston, 1; Chelsea, 2. From cerebro-spinal meningitis: Boston, Somerville, Holyoke, Brockton, Haverhill and Marlborough, 1 each. From diphtheria and croup: Boston, 5; Lowell, 2; Springfield, 2; Fall River, Lynn, Somerville, North Adams, Westfield, and Southbridge, 1 each. From whooping-cough: Boston, 1. From erysipelas: Lawrence, 1. From typhoid fever: Boston, 3; Chelsea, 2; Westfield, 2; Lynn, Lawrence, New Bedford and Fitchburg, 1 each.

Deaths under five years of age numbered 162, as compared with 137 for the preceding week.

Deaths from the principal infectious diseases numbered 100, as compared with 94 for the preceding week.

The death rates for the week were: Boston, 17.58; Worcester, 14.43; Fall River, 10.45; Lowell, 19.42; Cambridge, 10.30; Lynn, 20.41; Lawrence, 16.53; Springfield, 14.44; Somerville, 11.82; New Bedford, 12.08; Holyoke, 12.34; Brockton, 14.50; Newton, 10.58; Haverhill, 21.29; Malden, 29.34; Salem, 13.98; Chelsea, 28.50; Fitchburg, 11.45; Taunton, 12.03; Everett, 3.44; No. Adams, 8.90; Quincy, 7.76; Gloucester, 11.95; Waltham, 14.10; Brookline, 17.64; Pittsfield, 13.64; Medford, 4.74; Chicopee, 4.79; Northampton, 28.15; Beverly, 19.74; Leominster, ——; Clinton, 6.62; Adams, 14.27; Attleborough, ——; Hyde Park, 10.76; Newburyport, 14.37; Woburn, 21.79; Melrose, 11.29; Westfield, 22.59; Milford, ——; Marlborough, 7.64; Revere, 3.82; Framingham, ——; Peabody, ——; Gardner, 16.87; Southbridge, 8.88; Watertown, 26.95; Weymouth, 13.74; Plymouth, ——.

The total death rate for the week was 15.25, as compared with 14.68 and 15.73 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Dec. 17, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	97	Typhoid fever,	43
Diphtheria and croup,	156	Measles,	74
Small-pox,	0		

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Dec. 17, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 11,	30.12	14	20	9	59	43	51	N. W.	W.	11	8	C.	C.		T
Monday, 12,	30.02	22	30	14	56	88	72	S. W.	N. E.	4	18	O.	O.		T
Tuesday, 13,	29.92	24	29	18	69	54	62	N.	N. W.	15	16	O.	C.		0.23
Wednesday, 14,	30.26	18	26	11	65	55	60	N. W.	N. W.	9	12	C.	C.		0.00
Thursday, 15,	30.32	20	30	10	74	82	78	N. W.	N. W.	7	6	C.	O.		0.00
Friday, 16,	30.01	28	34	22	88	73	80	N.	N. W.	18	7	O.	C.		0.08
Saturday, 17,	30.10	24	30	18	71	83	77	W.	N. E.	5	5	O.	O.		0.00
Week,	30.11		28	15			69								0.31

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 24, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 52.

Entered at the post-office at Boston as second-class matter.

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It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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MORTALITY OF MASSACHUSETTS

For the Week ending Dec. 24, 1904.

Deaths reported to the State Board of Health in 40 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from: Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	617,950	198	37	32	29	23	3	..	1
Worcester,	136,925	37	18	7	10	1	2	..	2
Fall River,	119,349	45	18	10	10	4	1	1	..
Lowell,	104,402	41	11	6	6	3	1	..	..
Cambridge,	100,998	21	5	3	2	2	..	1	..
Lynn,	73,875	18	4	5	4	1	2	..	1
Lawrence.	72,348	19	5	7	4	5	..	..	..
Springfield,	72,020	..	..	..	..	..	..	..	..
Somerville,	70,413	22	4	4	3	3	..	..	..
New Bedford,	68,863	33	8	4	6	4	..	..	..
Holyoke,	50,538	9	4	..	..	..	..	..	..
Brockton,	46,601	9	2	2	..	2	..	..	..
Newton,	39,310	11	2	2	..	2	..	..	..
Haverhill,	39,061	11	3	3	1	2	..	..	..
Malden,	37,205	10	1	1	3	1	..	..	..
Salem,	37,188	12	2	1	1	..	..	1	..
Chelsea,	36,499	10	2	1	2	..	..	1	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	8	..	1	1	1	..	..	..
Everett,	30,209	6	..	1	1	..	1	..	..
North Adams,	29,201	8	2	1	2	..	1	..	..
Quincy,	26,798	8	2	1	..	1	..	..	..
Gloucester,	26,121	6	..	..	..	..	..	..	..
Waltham,	25,797	4	1	1	1	1	..	..	..
Brookline,	23,576	5	0	..	1	..	..	..	..
Pittsfield,	22,870	..	..	..	..	..	..	..	..
Medford,	21,956	6	1	..	3	..	..	..	..
Chicopee,	21,692	5	1	..	1	..	..	..	..
Northampton,	20,314	4	0	..	..	..	..	..	..
Beverly,	15,807	6	1	1	2	1	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	4	1	..	..	..	..	..	..
Adams,	14,745	3	2	..	1	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	2	1	..	..	..	..	..	..
Newburyport,	14,478	6	0	1	2	1	..	..	..
Woburn,	14,315	1	1	..	..	..	..	..	..
Melrose,	13,819	5	0	..	..	..	..	..	..
Westfield,	13,809	3	..	1	..	1	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	3	0	..	..	..	..	..	..
Revere,	13,609	2	..	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	3	1	1	1	1	..	..	..
Southbridge,	11,716	8	5	5	3	..	2	..	1
Watertown,	11,575	4	1	1	1	1	..	..	..
Weymouth,	11,350	1	0	1	..	1	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,103,116	617	146	104	101	62	13	4	5

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 40 Cities and Larger Towns of Massachusetts.

One hundred and four deaths were reported from the principal infectious diseases: measles, 1; scarlet fever, 3; cerebro-spinal meningitis, 5; diphtheria and croup, 13; typhoid fever, 4; diarrhœal diseases, 11; whooping cough, 2; erysipelas, 3.

No deaths were reported from small-pox, puerperal fever, malarial fever or influenza.

There were 62 deaths from consumption, acute lung diseases, 101, still-births, 40.

From measles: Haverhill, 1. From scarlet fever: Boston, 2; Fall River, 1. From cerebro-spinal meningitis: Boston, 1; Worcester, 2; Lynn, 1; Southbridge, 1. From diphtheria and croup: Boston, 3; Worcester, 2; Lynn, 2; Fall River, Lowell, Everett and North Adams, 1 each; Southbridge, 2. From whooping-cough: Boston and Worcester, 1 each. From erysipelas: Boston, Lowell and Somerville, 1 each. From typhoid fever: Fall River, Cambridge, Chelsea and Salem, 1 each.

Deaths under five years of age numbered 146, as compared with 162 for the preceding week.

Deatbs from the principal infectious diseases numbered 104, as compared with 100 for the preceding week.

Tbe death rates for the week were: Boston, 16.66; Worcester, 14.05; Fall River, 19.60; Lowell, 20.42; Cambridge, 10.81; Lynn, 12.67; Lawrence, 13.65; Springfield, ——; Somerville, 16.25; New Bedford, 24.91; Holyoke, 9.26; Brockton, 10.04; Newton, 14.55; Haverhill, 14.64; Malden, 13.97; Salem, 16.77; Chelsea, 14.25; Fitchburg, ——; Taunton, 12.03; Everett, 10.32; No. Adams, 14.25; Quincy, 15.52; Gloucester, 11.94; Waltham, 8.06; Brookline, 11.02; Pittsfield, ——; Medford, 14.21; Chicopee, 11.98; Northampton, 10.23; Beverly, 19.74; Leominster, ——; Clinton, 13.25; Adams, 10.70; Attleborough, ——; Hyde Park, 7.17; Newburyport, ——; Woburn, ——; Melrose, 18.81; Westfield, 11.29; Milford, ——; Marlborough, 11.46; Revere, 7.64; Framingham, ——; Peabody, ——; Gardner, 12.68; Southbridge, 35.50; Watertown, 17.97; Weymouth, 4.58; Plymouth, ——.

The total death rate for the week was 15.25, as compared with 15.25 and 14.68 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Dec. 24, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	147	Typhoid fever,	34
Diphtheria and croup,	121	Measles,	82
Small-pox,	0		

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Dec. 24, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 18,	29.80	28	33	22	100	71	86	N.	N. W.	19	10	N.	C.		0.36
Monday, 19,	29.89	30	41	19	71	70	70	S.	S. W.	4	14	O.	O.		0.00
Tuesday, 20,	29.81	30	35	26	55	74	64	W.	S. W.	10	12	C.	N.		T
Wednesday, 21,	30.02	23	31	15	81	54	68	N. W.	N. W.	8	10	O.	C.		T
Thursday, 22,	30.26	24	34	13	67	64	66	S. W.	S. W.	15	10	F.	O.		0.00
Friday, 23,	29.90	42	49	34	74	60	67	S. W.	S. W.	8	9	R.	O.		T
Saturday, 24,	30.17	30	48	12	78	74	76	N. E.	N.	15	12	O.	O.		0.00
Week,	29.98		39	20			71								0.36

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 31, 1904.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXII. No. 53.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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MORTALITY OF MASSACHUSETTS

For the Week ending Dec. 31, 1904.

Deaths reported to the State Board of Health in 39 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	617,950	169	30	29	38	18	5	2	1
Worcester,	136,925	49	9	5	10	4	..	..	..
Fall River,	119,349	42	17	8	11	2	1	..	..
Lowell,	104,402	29	10	1	6	..	1	..	..
Cambridge,	100,998	35	5	5	9	5	..	..	..
Lynn,	73,875	28	12	3	1	..	1	1	1
Lawrence,	72,348	24	5	2	4	2	..	..	..
Springfield,	72,020	..	..	..	..	..	..	..	..
Somerville,	70,413	20	6	5	3	3	1	..	1
New Bedford,	68,863	23	6	4	6	4	..	..	..
Holyoke,	50,538	13	5	2	1	1	1	..	..
Brockton,	46,601	11	1	2	1	2	..	..	..
Newton,	39,310	6	2	1	3	1	..	..	..
Haverhill,	39,061	12	5	2	1	1	..	1	..
Malden,	37,205	14	2	3	2	3	..	..	..
Salem,	37,188	20	5	1	3	..	..	..	..
Chelsea,	36,499	19	2	3	1	3	..	..	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	12	1	1	5	..	..	..	..
Everett,	30,209	4	2	2	..	..	2	..	..
North Adams,	29,201	8	2	..	1	..	..	..	..
Quincy,	26,798	5	..	2	..	2	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	7	..	..	..	..	..	..	..
Brookline,	23,576	6	..	..	1	..	..	..	..
Pittsfield,	22,870	4	..	..	2	..	..	..	..
Medford,	21,956	1	..	..	1	..	..	..	..
Chicopee,	21,692	14	7	3	3	1	2	..	..
Northampton,	20,314	10	4	..	..	..	..	..	..
Beverly,	15,807	5	4	..	1	..	..	..	..
Leominster,	15,711	2	..	1	..	1	..	..	..
Clinton,	15,694	2	0	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	2	1	..	..	..	..	..	..
Newburyport,	14,478	3	0	..	1	..	..	..	..
Woburn,	14,315	..	..	..	..	..	..	..	..
Melrose,	13,819	1	0	..	..	..	..	..	..
Westfield,	13,809	4	..	1	..	1	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	6	1	2	..	1	..	..	1
Revere,	13,609	4	2	1	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	1	..	..	1	..	..	..	..
Southbridge,	11,716	7	7	4	3	..	2	..	..
Watertown,	11,575	3	1	..	1	..	..	..	..
Weymouth,	11,350	5	1	1	1	1	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,086,516	630	155	94	121	56	16	4	4

Note. — *The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 39 Cities and Larger Towns of Massachusetts.

Ninety-four deaths were reported from the principal infectious diseases: cerebro-spinal meningitis, 4; diphtheria and croup, 16; typhoid fever, 4; diarrhœal diseases, 11; whooping cough, 1; erysipelas, 2; puerperal fever, 1.

No deaths were reported from small-pox, measles, scarlet fever, malarial fever or influenza.

There were 56 deaths from consumption, acute lung diseases, 121, still-births, 53.

From cerebro-spinal meningitis: Boston, Lynn, Somerville and Marlborough, 1 each. From diphtheria and croup: Boston, 5; Everett, Chicopee and Southbridge, 2 each; Fall River, Lowell, Lynn, Somerville and Holyoke, 1 each. From whooping-cough: Revere, 1. From erysipelas: Boston and Salem, 1 each. From typhoid fever: Boston, 2; Lynn and Haverhill, 1 each.

Deaths under five years of age numbered 155, as compared with 146 for the preceding week.

Deaths from the principal infectious diseases numbered 94, as compared with 104 for the preceding week.

The death rates for the week were: Boston, 14.22; Worcester, 18.61; Fall River, 18.30; Lowell, 14.44; Cambridge, 18.02; Lynn, 19.71; Lawrence, 17.25; Springfield, ——; Somerville, 14.77; New Bedford, 17.36; Holyoke, 13.37; Brockton, 12.27; Newton, 7.94; Haverhill, 15.97; Malden, 19.55; Salem, 27.96; Chelsea, 27.05; Fitchburg, ——; Taunton, 18.04; Everett, 6.88; No. Adams, 14.25; Quincy, 9.70; Gloucester, ——; Waltham, 14.10; Brookline, 13.23; Pittsfield, 9.09; Medford, 2.37; Chicopee, 33.55; Northampton, 25.59; Beverly, 16.45; Leominster, 6.62; Clinton, 6.62; Adams, ——; Attleborough, ——; Hyde Park, 7.17; Newburyport, ——; Woburn, ——; Melrose, 3.76; Westfield, 15.06; Milford, ——; Marlborough, 22.92; Revere, 15.28; Framingham, ——; Peabody, ——; Gardner, 4.22; Southbridge, 31.06; Watertown, 13.48; Weymouth, 22.90; Plymouth, ——.

The total death rate for the week was 15.70, as compared with 15.25 and 15.25 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Dec. 31, 1904.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

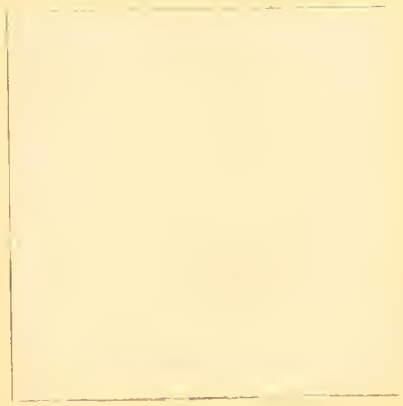
Scarlet fever,	114	Typhoid fever,	30
Diphtheria and croup,	125	Measles,	93
Small-pox,	0		

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Dec. 31, 1904.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 25,	30.48	12	19	6	53	52		52	N.	N.	12	12		O.	O.			T
Monday, . . 26,	30.51	22	30	15	63	83		73	N.	S. E.	12	5		O.	O.			0.02
Tuesday, . . 27,	29.87	35	41	29	94	98		96	E.	N. W.	8	5		R.	R.			1.03
Wednesday, . 28,	29.30	35	43	27	95	39		67	N.	W.	4	20		R.	C.			0.53
Thursday, . . 29,	29.79	27	32	22	46	54		50	W.	S. W.	27	17		C.	C.			0.00
Friday, . . 30,	30.04	29	34	24	52	68		60	S. W.	S. W.	8	6		O.	C.			0.00
Saturday, . . 31,	29.78	37	46	28	58	44		51	S. W.	S. W.	9	14		O.	O.			0.00
Week, . . .	29.97		35	22				64										1.58

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.



U. HOLZER
BINDER
BOSTON MASS